# The Alining Journal D COMMERCIAL GAZETTE

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 621.---Vol. XVII.

LONDON, SATURDAY, JULY 17, 1847.

PRICE 6D.

IMPORTANT TO BAILWAY COMPANIES, IRONMASTERS, AND BAILWAY CONTRACTORS.

B. W. GRAHAM WIll SELL, BY AUCTION (by order of the Sheriff of Monmonthabitro), on the BEB VALE COMPANY'S WHARF, FEWFORT, MOMMOUTHSHIRE, on Wednesday, the 21st day of July inst., at Twelve Colock at noon, in one or more lone, and subject to sate houdditions as shall be then and here produced, about FOUR HUNDRED TONS of SINGLE FLANGE WROUGHT-ROM RAILS—Lengthe, 15 feet, 14 feet, and 19 feet, which are now lying upon the sald tharf, the property of Mr. Joseph Martin.

Blue Rount, near Ragiand, July 12, 1847.

Bine Romin, near Ragiand, July 19, 1847.

TO COLLIERY OWNERS, RAILWAY PROPRIETORS, DOCK COMPANIES, ENGINEERS, CONTRACTORS, AND OTHERS.

the COLLIERY, BISHOP MIDDLEHAM, near the Ferry-hull Railway Station, in the Colliery, Bishop Middle And Alliason, of Sunderland, have been honoured with a commission to OFFER FOR SALE, BY PUBLIC TOTION, without reserve, on Wednesday and Thursday, July 21 and 22, 1847, the note of the valuable NEW COLLIERY PLANT, WORKING STOCK, and MATE-ALS, comprising a first-rate High-PRESSURE PUMPING-ENGINE by Skinner d Diegeles), of 7 see stroke, with 48-inch cylinder, working easily and economically at 6 shores power, and having five bollers, 25 feet by 6, and four sets of pumps statehed cylind High-PRESSURE WINDING-ENGINE by Possick and Hackworth), of 5-feet by 6, and four set or pumps statehed cylind High-PRESSURE, with 34-inch cylinder, working at 36 hores power, having two bollers, 36 feet by and rope rollers, &c., attached, all complete; gin, heapstead, and four acreens; 70 famon of main brattice, with conductors, cages, fast-ropes, &c.; NEW NUT COAL APRAFTUS, spears and spears places, shear legs and pulley frames, oak main crub, tall
th, shaft crab, and sworal crab-ropes; Billioße RAILS, many tons of METAL TURAL WAGGONS, waggon, wheels, tube of various sizes; transway plates, 2780 yards of RAILWAY,
the, to the yard, with chairs, crossings, and alcopers, complete; a number of well-built
AL WAGGONS, waggon, wheles, tube of various sizes, puncking machine, hand lathe, nech, amith's bellows, anvils, vices, and tools, carpenters' benches, &c.; patterns, frames, or particularly of the MISCELLANEOUS COLLIERY STOCK, all very nearly
w, and of the best quality. inch, miths bellows, anylis, vices, and tools, carpenters benches, &c.; patterns, frames, overs, pit-ropes, deals, batterns, new and old IRON, new and old pit and crab ROPE, da large quantity of other MISCELLAMEOUS COLLILERY STOCK, all very nearly we, and of the best quality.

Catalogues may be had at the Sunserland Sale Offices, 16, Bridge-street.

Sale to commence each morning at Ten c'clock.

The engines will be sold at Three o'clock on Thursday, the first day of sale. The lawy and waggons will be sold at Three o'clock on Thursday, the second day of sale. The lawy and waggons will be sold at Three o'clock on Thursday, the second day of sale. The lawy and waggons will be sold at Three o'clock on Thursday, the first day of sale. The lawy and waggons will be sold at Three o'clock on Thursday, the first day of sale. The lawy and waggons will be sold at Three o'clock on Thursday, the first day of sale. The lawy and waggons will be sold at Three o'clock on Thursday, the first day of sale. The lawy and waggons will be sold at Three o'clock on Thursday, the first day of sale. The lawy and waggons will be sold at Three o'clock on Thursday, the first day of sale. The lawy and waggons will be sold at Three o'clock on Thursday, the first day of sale.

[From Breadshee, for July.]

Forry-bill Station, on the Clarence Rallway.—Up Trains, 5.15, 11.45 a.m.; 4.40, 6.30 fully 6, 1847.

ALL DOWN Trains, 5.25, 11.0 A.E.; 4.5, 2.40 F.M.

OUTH STDENHAM, DEVON—VALUABLE MINE AND MATERIALS FOR SALE.

M. R. RENDDELL has the bonour to announce, that he has received instructions from the present advesturers to OFFER FOR SALE, BY SELE AUCTION, of Monday, the 26th day of July inst., by Two o'clock in the after-coor precisely, at the Account-bonous, on the mine, in one lot, all that SETT of the valuable MINE, called, or commonly known, by the name of WHEAL CONCOURD, situate in the parish of South Sydenham, in the county of Devon, for the remainder of a term of I pears—1.95 of which are unexpired; together with the following MINING MATE-HALS, lately erected on the most approved principle, with the pumps, rods, ladders, capatan and insert, &.o., necessary for carrying on the operation in the oughne-chaft.

Also, 3 horse-whine, sulleys and poppet-heads, 2 whim-ropes, 4 kibbles and chains, pater-whiel and granher, with cranks, about 2½ tons of now iron, a quantity of old from, milts' bellows, surely, excess stock and plates, beam and scales, weights, a quantity a mittan' and miners' tools, a lot of old and new timber, wheel-barrows, grinding-stone and frame, dressing tools, &c.

The above mine and materials are offered to the public in consequence of psecuniary difficulties; and, if it should be worked effectually, it is expected that large dividends will be relatised by at enterprising company—upwards of £10,000 worth of lead ore having som returned from the mine at different times.

This set also adjoins Wheal Grace on the west, where an engine has lately been erected, by the purpose of working Wheal Grace on the west, where an engine has lately been erected, by the purpose of working Wheal Grace on the west, where an engine has lately been erected, by the purpose of working wheal concordibles and, from the proper such as a such part of the purpose of working and the proper such and any further particulars of descr. Little and Woolcombe, selicitors, Devonport; or of Mr. Snell, solicitor, Callington, July 10

n, July 10, 1847.

FOR THE BENEFIT OF THE UNDERWRITERS, AND FOR THE PAYMENT OF SALVAGE CHARGES.

MR. W. D. MATHEWS, AUCTIONEER, begs to inform the metals, that on Monday, Tuesday, and Thursday, the 26th, 27th, and 29th days mblic, that, on Monday, Tuesday, and Thursday, the 20th, 27th, and 29th days start at T. IVES, PENZANCE, and SCILLY, PUBLIC SALES, BY AUCTION, place, for SELLING, without reserve, nearly FIVE HUNDRED PIECES of very

of July inst., at ST. IVES, PENZANCE, and SCILLY, PUBLIC SALES, BY AUCTION, will take place, for SELLING, without reserve, nearly FIVE HUNDRED PIECES of very subject to the place, for SELLING, without reserve, nearly FIVE HUNDRED PIECES of very SUPERIOR SPANISH MAHOGANY, Containing about 40,000 feet, being part of the cargo of the French brig Jules de Bioseville, wrecked near the Land's End, in December last, on a voyage from St. Domingo, direct for Havre, when all hands, unfortunately, periabed.

This sale is strengty recommended to the notice of the public. Many of the logs will produce sphendid curis—others the sinest description of strong shaded wood.

The pieces vary in contents from 10 to 200 feet each, and come generally under the denomination of "Venere Logs."

The sale as ST. IVES will take place on MONDAY, the 26th, at Tan o'clock in the foreason, for SELLING about EIGHTY PIECES—that At PENZANCE, on the following day, at noon, for SELLING about EIGHTY PIECES: And the last, at ST. MARY'S, SCILLY, on THURSDAY, the 19th of July, for SELLING and will be put up in such ioth sa may suit the convenience of the purchasers. For viewing the same, application may be made to the severa! "Receivers of Droits," in whose custody the goods are at Penzance, Si, Ivea, and Scilly; and for further particulars, to the auctioner; or to Dated Penzance, July 1, 1847.

N.B.—Thic Correcció steamer will leave Bristol on Friday, the 38d Inst., at One o'clock at the afternoon, and arrive at St. Ivea about Six c'olock the following morning: The foreign for the produce place and hour every Friday.

PATRICROPT—IMPORTANT COLLIERY FOR PEREMPTORY SALE

patrices and hour every Friday.

PATRICROFT—IMPORTANT COLLIERY FOR PEREMPTORY SALE.

R. T. M. FISHER is directed peremptorily to SELL. BY
AUCHON, on Tuesday, the 3d day of August, 1847 (unless previously sisposed
private contract, of which due notice will be given), at the Law Society's Rooms,
folk-stress, Manchester, punctually at Four o'clock in the afternoon, all that wellwas and well-established COLLIERY, situate at PATRICROFT, near Manchester, now
sade by the owner (who is withdrawing from the trade), together with the STEAMGINES, STEAM-BOILERS, HEADSTOCKS, WINDING GEAR, BUILDINGS, and
fixed matters thereto belonging. The purchaser may also take the loose stock,
satting of boars, carts, horses, &c., at a valuation, but will not be held bound to do so
scolliery, established on a first-rate principle, has only been at work about six years,
is partly recoloid, and partly held in lease, under Sir T. J. De Trafford and the trusof the late Duke of Bridgewater. The machinery is of the best modern make, and
collished working condition—the situation one of the most convenient in the county for
ady sale of mil the produce, having a roomy basin communicating with the canal, and
outs branch railroad partly which, it is ascertained that a rich bed of ironstone, 39 in.
In a script of the stream of the produce, may be leased on very reasonable terms; and as the coals
coals of the care and of the care of the most convenient in the county for
any sale of mil the produce, having a roomy basin communicating with the canal, and
cont. of metallic iron. This may be leased on very reasonable terms; and as the coals
most august to the suppose.

Orders to view, and other particulars, will be ready 21 days before the sale, and may be had from the anctioneer, 21, Frinces-street, Hauchester; W. Heaton, solicitor, Rondale; Woodcock, Part, and Scott, solicitors, Wign; W. Henson, solicitor, King-street, Hauchester; T. Livesey, Chamber Hall, near Oldham; or J. Hodgathson, on the premises.

OR SALE, AT TRETOIL MINE LANIVET, NEAR BODMIN, CORRWALL—185 check sylinder STEAM PUBLISHED STEAM PUBL PUMPING ENG well worthy of at-

Sinch, 1 8-inch, and 1 beautiful and 1 shear; 1 18-inch and 1 9-inch capitan rope, each above alance and 1 angle-bob 1 80 fathoms of from 7 to 18-inch main-ro alance and 1 angle-bob 1 80 fathoms of from 7 to 18-inch main-ro alance and 1 angle-bob 1 80 fathoms of from 7 to 18-inch main-ro alance and 1 angle-bob 1 80 fathoms of from 7 to 18-inch main-rous articles, well worthy the attention of mine adventur the numerous articles, well worthy the attention of mine adventur to 18-inch 18-inch

MINING ADVENTURERS' SUBSCRIPTION ROOM, ORIGINAL REGISTRY OFFICE FOR THE SALE AND PURCHASE OF GINAL REGISTRY OFFICE FOR THE SALE AND PURCE MINING SHARES. CROSSMAN, SOMMERS, AND CO., AGENTS, 29, THREADNEEDLE-STREET LONDON.

SHARES FOR DISPOSAL. Combe Mine
Devon and Courtenay Consols
New East Crowndale
East Wheal Rough Tor
Great Wheal Frederick Tin Mine
Grambler and St. Aubyn
Breat Wheal Rough Tor
Holmbush

Iolmbush Wheal Mary and Elizabeth

Exmoor Wheal Elisa Goonvrea North Wheal Camel

NORTH WALES MINING COMPANY, county Merioneth,
Divided into 12,500 parts, or shares, with a deposit of £2 10s, per share.

By a clause in the Cost-book the shares are limited to £10 each, but it is not anticipated that more than £5 per share will ever be required; and no call beyond the original deposit of £9 10s, per share will be made, until after a dividend shall have been declared.

OFFICES—No. 2, NEW BROAD-STREET, LONDON.

The Right Hon. Lord Viscount Lake, Gloucester-place, Portman-square, and Aston Clinton, Bucks
The Right Hon. Lord Viscount Lake, Gloucester-place, Portman-square, and Aston Clinton, Bucks
The Hon. Edward Ceel Curzon, Scarsdale House, Kensington
Sir Harry Dent Goring, Bart., Trysclwyn, Angleses, North Wales, & Highden, Sussex
Luke James Hansard, Eq., Southanmpton-street, Bloomsbury-square.

\*\*COMMITTER OF MANAGEMENT.\*\*
The Hon. Edward Ceeli Curzon, Scarsdale House, Kensington
George D. Aubin, Esq., Southacs, Hants
Edward Harding, Esq., 44, Great Ormond-street
James Harvey, Esq., Brynnygwin, Dolgelly, North Wales
J. Homfray, Esq., 24, Connagnhi-square
J. M. Macdonnell, Esq., Middle Temple
J. M. Macdonnell, Esq., Middle Temple
William Honry Rough, Esq., Middle Temple
William Honry Rough, Esq., Middle Temple
Managing Clerk at the Mines—Mr. J. C. Goodman.

\*\*MARGING CLERK AT THE MINES—Mr. J. C. Goodman.\*\*
\*\*LONDON—Messrs. Glyn, Halfax, Mills, and Co., Lombard-street.
WALES—Messrs. Jones and Williams, Dolgelly, Merionethshire.
\*\*Solicityon.\*\*
\*

LONDON—Mossrs. Glyn, Halitax, Mills, and Co., Lombard-street.
WALES—Measrs. Jones and Williams, Dolgelly, Merionethatire.

SOLICITORS.

LONDON—W. W. Flaher, Esq., 3, King-street, Cheapside; and Measrs. Wyane Williams and Macleod, Temple.

WALES—Measrs. Owen and Griffiths, Dolgelly, Merionethshire.

ANALYTICAL CHEST. Orders Over, F.R.S., F.S.A., Charlottle-street, Bedford-square Pulsars and Secretary in Losspox—W. T. Griffiths, Esq.

The mines proposed to be worked by this company extend under a surface of about 1000 acres, and are situate in the meighbourhood of Dolgelly, in the county of Merioneth Prospectuses and every information can be obtained at the offices of the company, 2, Net Broad-street, City, where specimens of the ores, and original assays by some of the principal assayers of the present day, as well as the manuscript reports of several eminen mining captains, may be inspected.

Application for shares to be made to the purser, at the offices of the company, the soll citors, and the following brokers and agents:—Mr. B. Hankin, stockbroker, 23, Token house-yard; Measrs. Watson and Citell, mining agents and sharebrokers, 8t. Michael's alley, Cornibil; and Mr. G. W. De Bernardy, 46, Leicester-square, London; Mossrs. C. Gunningham; Jun, Britslei, Jun. T. Gardwell, and Sons, and Mr. J. Fernyhough, Manchester; Mr. P. Kempson, sharebroker Birmingham; Jun. C. S. Edsall, Truro; Mr. J. Gunningham, Jun, Britslei, Jun. T. Amarten, Swanses, South Wales; and Mr. J. Russell, Exchange south-east Liverpool Messrs. C. Wellbeloved, and Co., Lecde; and Capt. W. Williams, near Crowan, Cornwall Copies of the prospectus can also be had at the offices of Mr. H. English, mining engineer 25, Floet-airest; and at the Missny Journal, 25, Floet-airest; and at the Missny Journal, 26, Floet-airest; and at th

NORTH WALES MINING COMPANY.—Notice is hereby given, that NO FURTHER APPLICATIONS for SHARES in the above company as the RECEIVED after the 96th inst.

W. T. GRIFFITHS, Secretary.

W. T. GRIFFITHS, Secretary.

TO CAPITALISTS—THE ELY VALLEY.—TO BE LET,
BY TENDER, all those SEAMS of highly-bituminous COAL, lying under several hundred acres, in the above valley, and containing, in the aggregate, more or iess,
25 feet of workable coal—the greater part of which is available by water-power, the property being bounded by the River Ely and its tribustaries. Also, will BE LET, the LEAD

MINE on the above property, which, when worked, 60 years ago, produced ore of the
richest quality—specimens of which, as also of the coal, may be seen, and particulars obtained, by application to the Rev. James Cosens, whose primary object being the opening
of the valley, he would be astained with a fair sleeping rent and a moderate royalty.

The South Wales Railway is now in progress within three miles of the property, and a
branch, to Join that line, might be made at a comparatively trifling outley. The distance
from the nearest point of junction to the port of Cardiff would be about nine miles.

Yals-y-Flwm, near Cardiff, June 28, 1847.

CAPITALISTS - ELIGIBLE INVESTMENT .- TWO SIXTEENTH SHARES in an extensive and valuable SLATE QUARRY, held and the Crown, and astant about four miles from BANGOR. A capital of upwards of £9,00 has already been invested, and 10 per cent, returned in the first year. An extension the works has now been determined on, with an increase of capital to £37,000. One the proprietors wishes to DISFOSE of a PORTION of his INTEREST: the price per sharts from £1600 to £1700, and the purchaser might suit his convenience in the time of payment. The demand for siates is unlimited, and the price has lately advanced 10 per can he person wishing to sell is associated in this quarry with several gentlemen—merchany of long standing in London, &c., whose names guarantee the highest respectability. Further sparticulars may be known, and an inspection of the books of the company of tained, by application to Messers. Crossman, Sommers, & Co., 28, Threadneedle-st., London

Further particulars may be known, and an inspection or the concern the change of changed chained, by application to Mesers. Crossann, Sommers, & Co., 28, Threadmedde-et., London.

COUNTY WATERFORD—SLATE QUARRY TO BE

Solld—The Interest in Ross Slate QUARRY, distant nine miles from the city of waterford, four from Klimeathomas, three from Kilmeadon, three from Portlaw, and three from the celebrated copper mines at Bommahon.

A considerable sum has been expended by the late proprietor in exploring the above quarry, and execting suitable machinery to work it: the quality of the slate raised has been pronounced, by eminent judges, to be of a superior description, and not inferior, in mineral qualifications, to the best Welah alate, as will be seen from the amassed testimonials.—This concern has been at work for the last eight or nine years, during which portion of the quarry and for many miles round. Markets have been established for the sale of them in the following towns—viz.: Carrick-on-Suir, Clonmel, Cahir, Tipperary, Wexford, and the city of Waterford, where they have become established, and in much reputs. Houses covered with them, as far back as the opening of the quarry, may be seen, where no trace whatever of decay or discolouration can be observed.

The quarry being only distant three miles from Klimeaden Pill, where boats can load or discharge, and a little further down vessels; there is great facility for conveying the produce to the places before-mentioned and other markets.

This concern has only stopped working since the death of the late proprietor, which took place last April, and could be resumed without much expense, as new machinery has been exceted, and the floor of the quarry free from rubbish.

Persons wishing to become purchaseers of the interest in this concern, will be fully informed as to title, profit likely to be realised, and any other information requisite, on application to Arundel Hill, Eqq., Donnybrook, Doneraile, Ireland, who will close with a purchaser, so the discrete of the con

TESTIMONIALS.
Quarry, by Mesors. We that the Bangor and Reweather better.

latter is considered to stand the weather better.

From T. Oldham, Esq., M.S.A., Curator of the Dublin Society, and Engineer to the University of Dublin—August 8, 1844.

There were a few large ones (lates), which seemed sound, clean, and not heavy, and the general quality was not inferior to the ordinary Strawberry slates (came velf as Bangor)—the Ross did not appear to me liable to vegetate.

From Mr. Charies Hovenden, Blackrock, Dublin—May 31, 1844.

I showed Mr. Owens (architect of the Board of Works) the Ross slates, and he highly approved of them; and gave Mr. Bell permission to cover the Government work with them, now in progress, at the Police Station, Kingstown.

Portlaw, May 31, 1845.

In reply, we may state, that, within the last five or six years, we have covared 30 or 40 house with Rose slates; and they are a useful, good looking, article, and we have no reast to do be that proving durable in quality.

For MALCOMSON, BROTHER, & SHAW.

(Signed) ROBERT SHAW.

Currenmore, May 16, 1845.

I can certify, that the Rose slates are the best that I have seen—they cover very well; are a good sound slate, and the weather does not affect them. The tenants are using them on the estate, where they are highly approved of.

(Signed) RICHARD EGAN.

Slater to the Marquis of Watarford.

Wezford, May 22, 1846.

ter, and likewise the case, containing the samples of slates, which, I bod, and will surely take here.

(Signed) NICHOLAS HAYES I sales.

POREMAN WANTED.—JOHN AND ROBERT MALLET WANT a FOREMAN, to MANAGE their WORKS, on the ROYAL CANAL, near DUBLIN, chiefly employed in making RAILWAY FASTENINGS and LIGHT CAST-INGS.—Application, in own hand, addressed as above, within a fortnight.

TO TUNNELLERS—SCOTTISH CENTRAL RAILWAY.

—WANTED, upon this line of railway, a NUMBER of GOOD MINERS, accustomed to tunnel work, in soft ground. Liberal wages will be given to good workmen.—Application to be made at the office of Messrs. J. Stephenson & Co., contractors, Stirling, 1047, 1847.

TRON GROUND CRANES.—RAILWAY COMPANIES

DOOK COMPANIES, WHARFINGERS, &c. &c., can be SUPPLIED with IRON
GROUND CRANES, of superior construction, and of any size, to lift from one to tar
tons seeh.—Drawings and prices may be had on application to Mr. Alex. Reid, Monument Chambers, Fish-street-bill.

PIG-IRON.—JAMES BANKS AND CO. have always FOR SALE SCOTCH PIG-IRON, deliverable, free on board, at the Broomielaw, Port-linder, Ardrossan; and in the Frith of Forth, at Charleston.

PLAKE AND PARKIN, MEADOW STEEL WORKS, SHEFFIELD, MANUFACTURERS OF RAILWAY and OTHER SPRINGS, Improved Patent FLATED MOTION BARS, BUFFER-RODS and ENDS, CRAMK PIRS. PISTON RODS, ENGINEERS' FILES, CIRCULAR and MILL SAWS, and CUTTERS

WILSON & FRASER, 2, WELLINGTON - BUILDINGS LIVERPOOL, and 13, EXCHANGE-PLACE, GLASGOW, have always ON SALE PIG-IRON, BAR-IRON, RAILWAY CHAIRS, and RAILWAY BARS.

MR. R. TREDINNICK, MINING AGENT AND DEALER IN EVERY DESCRIPTION OF SHARPS. THREE KINGS COURT, LOMBARD-STREET, LONDON.

THOMAS P. THOMAS, MINE AGENT, AND DEALER IN RAILWAY AND OTHER SHARES.

18, THERADNEEDLE-STREET, LONDON.

BUYER in Wheal Trelawny and Wheal Mary Ann, at fair market prices.

MINING OFFICES, 1, ST. MICHAEUS-ALLEY, CORNEILL, LONDON.

ATSON AND CUELL, MINE AGENTS.

N.B.—STATISTICAL INFORMATION furnished (on application) to SHABHOLDERS in MINES in Cornwall, Devon, Scotland, Ireland, Wales, and Spain.

WILLIAM H. SMITH, MINING SHARE AGENT 10, WARNFORD-COURT, THROGMORTON-STREET, LONDON.

JONATHAN DAVEY, MINE AGENT, SURVEYOR, AND SHAREBROKER,
MATTHE W-STREET, TAVISTOCK.
Mines surveyed, inspected, and reported on, at the shortest notice; plans, sections, and dialling performed, by day or contract.

JAMES LANE, MINING SHARE DEALER 75, OLD BROAD-STREET, LONDON.

JOHN TREGONING, MINE SHARES COMMISSION, AGENT, HIGH-CROSS, TRURO.

BRITISH MINING OFFICES, 41, MOORGATE-STREET, In the COPPER and SILVER-LEAD MINES connected with these offices, on application to the secretary,

MONEY.—MESSRS. WINSTANLEY & CO., Sharebrokers having at their command a very large SUM of MONEY for INVESTMENT, in form their friends and the public, they are prepared to make ADVANCES on the deposit of English or Foreign Railway or Mining Shares, upon exceedingly advantaged terms; they also BUY and SELL every description of STOCK at much less commission than usually charged.—6, Bank Chambers, City, opposite the Bank of England.

TO BE SOLD, BY PRIVATE CONTRACT, at GODOLPHIN MINES, ONE 36-inch PUMPING-ENGINE, 6 feet stroke, equal beam,
oblier, 8 tons, balance-bob, and first plece of rod.
ONE 24-inch STAMPING-ENGINE, 8, feet stroke, boller, 11 tons.
ONE 24-inch WHIM-ENGINE, 6 feet stroke, boller, 4 tons, and cage.
ONE 18-inch WHIM-ENGINE, 4 feet stroke, boller, 7 tons, and cage.
SIX TUBULAR BOLLERS, 11 tons each.
A large IRON BALANCE-BOB, 12 tons.
Application to be made to Capt. R. Williams, on the mines.
Dated Godolphin Mines, Helston, Cornwall, May 27, 1847.

TO BE SOLD, BY PRIVATE CONTRACT, a 21-inch cy inder PUMPING ENGINE (single) 5 feet stroke, equal beam, with beiler, 8 tous in good condition, and now standing on Bowden Hill Mine, about eight miles from Morwham, on the River Tamar.—For further particulars apply to Captain W. William Wheal Friendship, near Tavistock.

ON SALE—A VALUABLE SLATE QUARRY, on one of the best veins, and in the vicinity of some of the most successful quarries in CARNARVONSHIRE. The openings have been carried on to the extent of satisfactorily testing the quality of the rock, and laying open a part for highly profitable operation—Apply (post-paid) to "A. B.," Amseran Office, Post-office-place, Liverpool.

MPORTANT TO MINE ADVENTURERS.—TO BE DISPOSED OF, BY PRIVATE CONTRACT, O'DE-FOURTH, ONE-THIRD, or HALFof one of the most promising MINES in this come of the most promising MINES in this come of the outlay, to get the mine in
good course of working, will be £10,000; for which that, speculators will receive at
least 20 per cent., after the first year. Parties, therefor, taking one-half of the mine, can,
if they prefer is, have the management transferred to the melves.—For further particulary
apply to "A. B.," Post-office, Truro.—July 1, 1847.

CIATION.— Notice is hereby given, that the HALF YEARLY GENERAL MEETING of proprietors of this association will be HELD at the office of the company, 26, Austinfriars, on Monday, the 26th July Inst., at One o'clock precisely.

By order of the court of directors, 26, Austinfriars, July 7, 1847.

COPIAPO MINING COMPANY.—Notice is hereby given, that the HALF-YEARLY MEETING of the shareholders in this company will be HELD at their office, 29, Austinfriars, on Thursday, the 29th inst., at One o'clock precisely. This meeting will be made special, for the purpose of felling up the vacancies in the direction of the company. Any shareholder desirous of offering himself a candidate, is requested to send notice to the secretary, on or before the 23d inst.

By order of the directors,

22, Austinfriars, July 16, 1847.

FRED. GRELLET, Secretary.

EUROPEAN GAS COMPANY, 39, Finsbury-circus, July 9, 144.—The directors hereby give Notice, that a CALL of FIVE POUNDS per share, on the SHARES ALLOTTED the 17th June, 1844, is required to be PAID on or before Monday, the 13th day of September next, at the banking-house of Messars. Glyn, Halifax, and Co., Lombard-street, London, pursuant to the provisions of the Dead of Settlement.

By order of the Board, J. B. GREAVES.

HOLYFORD COPPER MENING ASSOCIATION.—
at the office, 34, Great Winchester-street, on Wednesday, the 28th July Inst., at To
clock, for transacting the ordinary business of the association.
London, July 13, 1847.
J. W. BUCKLAND, Jun., Secreta

RELEIGH CONSOLIDATED MINING COMPANY.

A DIVIDEND (the second since May last) of SIX SHILLINGS per alper cent. on the paid-up capital—has been this day declared, PAYABLE to 2d of August, and on every succeeding Monday, between the hours of these o'clock. The Coupons, with a list, according to a form, which may be office, must be left for extanisation three clear days previous to per 57, Old Broad-street, July 5, 1847.

THE PATENT SAFETY
FOR BLASTING ROCKS IN MINES, QUARRIES, AND FOR
OPERATIONS.—This article affords the SAFEST, CHEAPEST, and
TTOUS MODE of effecting this very hasardons operation. From many
useralness with which the manufacturers have been favoured from early
down, they select the following letter, recently received from John Tayle
&c.—"I am very glad to hear that my recommendations have been or
you; they have been given from a thorough conviction of the great us
Safely Fire; and I am quite willing that you should employ mame ase
Manufactured and sold by the Patentees, BRESFORD, SMITH, and Johns, Coruwall.

At the extensive foundry of M. Marcellis, at Boverie, in. In the province of constructed a cylinder, which is the largest hithertexetal. Liego-having employed no less than 120,000 throgresses satisfactorily, and HARLEM LAKE.—The drainage of this constructing in this county, to other engines, with improvements, when finished, it is understood, the other engines, with improvements was bordering on the lake will, by the hasten the completion of that over the surface of the bod of the lake, to same engines, be convert administrative, 56,000 acres, now covered with inrigate it; so the to the Dutch and Landon markets—the result of science nishing 65s Geologists.—The Jaural de Paris

water, and theractice.—Falmouth Packet.

nishing\_65a [Gollousirs.—The Journal des Débats publishes the following coppliated Odessa, the 4th inst:—"The Councellor of State, Erdmann, procaser of geology at the imperial university of Dorpat, who at this moment is 
travelling in the south of Russia, has discovered, in a property situated to the 
north of Odessa, several skeletons of fossil animals of enormous dimensions. 
The skeletons are 83 in number—viz. E delphants, I rhinoceroe, 2 oxen, 4 stags, 
1 antelope, 61 bears, 2 hyensa, 2 dogs, 3 cats, and a ruminating animal, spedies unknown. Those skeletons, together with the bones, were found under a 
thick layer of calcareous earth. The discovery made by M. Erdmann is the 
more remarkable, as hitherto there has never been any remains of the antedlayian animal reign discovered in Russia."



TO ENGINEERS, BOILER-MAKERS, AND OTHERS.—
LAP-WELDED IRON TUBES, FOR STEAM-BOILERS.
W. H. RICHARDSON, JUN., & CO., DARLASTON,
STAFFORDSHIRS,
MANUFACTURE all DESCRIPTIONS of WELDED WROUGHT-IRON TUBES, for
STEAM, GAS, &c., of any required length and diameter, on the new and unequalled principle of Mr. J. Roose's recent invention (patented August, 1846).—Address as above.

STEAM COAL—WITHOUT SMOKE, as per experiments made at her Majesty's Dockyard, Woolwich.

CAMERON'S COALBROOK STEAM COAL, AND SWANSEA AND LOUGHOR RAILWAY COMPANY.—(Completely Registered and Incorporated.)

OFFICES—2, MOORGATE-STREET, LONDON.

ie directors are now prepared to supply steam ship companies, manufactures, shi eithers, with the company's steam coal, either at the company's wharf at Swans ondon. A statement, showing by comparative trial the superiority of this co-pany's offices here, or at their wharf at Swanse.—March 1s, 1946.

TATIONAL LOAN FUND LIFE ASSURANCE SOCIETY, 26, CORNHILL, LONDON.

Capital £500,000.—Empowered by Act of Parliament.

This institution embraces important and substantial advantages with respect to Life mrances and Deferred Annuities. The assured has, on all occasions, the power to border, without expense or forfeiture of the policy, two-thirds of the premiums paid (see is); also the option of selecting benefits, and the conversion of his interests to meet or conveniences or necessity.

conveniences or necessity.

grances for terms of years are granted on the lowest possible rates.

DIVISION OF PROFITS.

remarkable success and increasing prosperity of the society has enabled the dispatch of the last annual investigation, to declare a fearth bonus, varying from 35 to cent. on the premiums paid or each policy effected on the profit scale.

EXAMPLES.

& Sien.	ion. Prem. Fear.		Bonus added.				ner toh.		Permane of Pr			tion Assured may Berrow.			
€0 £1000	e0 3 4	1837 1839 1840 1841	193 165 116	117	10	87 74 84	1 0	11 4 9 10 0	13 11 7	10	1 10	£445 393 346 296 247	11 3 13	134	

The division of profits is annual, and the next will be made in December of the press F. FERGUSON CAMROUX, Secretary.

The division of prefits is annual, and the next will be made in December of the present year.

P. FERGUSON CAMROUX, Secretary.

ON THE SECRET INFIRMITIES OF YOUTH AND MATURITY,
With 28 coloured engravings.

Just published (in a sealed envelope), price 2a. 6d.; or post-paid to any address, 3a. 6d., in Post-ordice order or stamps,
CELF-PRESERVATION: A Medical Treatise, on Marriage, and on those Secret luftrastites and Disorders of Youth and Maturity that are usually sequired at an early period of life, which tend to destroy physical and mental energy, ardour, passion, and all the attributes of manbood. Hustrated with twenty-five coloured engravings, on the anatoray, physiology, and diseases of the urinary and reproductive organs, emplaining their various structures, uses, and functions, and allowing the injuries that are produced in them, by solitary habits, excesses and infection. With practical observations on the treatment of nervous debility, local and constitutional weakness, sphills, stricture, and other diseases of the urethra. By SAMUEL LA'MERT, consulting surgeon, 9, Bedford-street, Bedford-street, Bedford-street, Marticulated Member of the University of Edinburgh, Honorary Member of the London Hospital Medical Society, Licentiate of Agodiscaries Hall, London, &c.

"The author of this singular and taleuted work is a legally qualified medical man, who has evidently had considerable experience in the treatment of the various disorders, arising from the follows and frailiste of early indiscretion. The engravings are an invaluable addition, by demonstrating the consequences of excesses, which must act as a salutary varient by routh and maturity, and by its permeal, many questions may be satisfactorily replied to, that admit of no appeal, even to the most condiential friend."—Eve.

"Unquestionably this is a most extraordinary and akilful work, and ought to be extansively circuisted; for it is quite evident that there are peculiar habits sequired at public schools and private seminaries, which are totally unkn

t<sub>2</sub> and all letters, immediately replied to, if containing the fee of £1, work may be had direct from the author's residence, and will be fored, to any address for 3s. 6d. in postage stamps.—9, Bedford-street, Bedford.

N NERVOUS DEBILITY & GENERATIVE DISEASES.

—Just published, the Thirtieth Thousand, an improved edition, revised and corciced, 130 pages, price is., in a scaled envelope, or forwarded, post-paid, to any address, scure from observation, for 2s. 6d., in postage stamps, illustrated with numerous anatocical coloured engravings, "MANHOOD: the Causes of its Fremature Decline, with lain Directions for its Fereic Restoration." A medical casay on those diseases of the encestive organs, emanating from solitary and sedentary habits, inducriminate excesses, se effects of chimate, and infection, &c., addressed to the sufferer in Youth, Manhood, and Old Age; with practical remarks on marriage—the treatment and cure of nervous and mental debility, imposency, syphilis, and other urino-genital diseases, by which even as most shattered constitution may be restored, and reach the full period of life allotted is mass. The whole illustrated with numerous manufacture of the reproductive organs in eath and decade of the constitution N NERVOUS DEBILITY & GENERATIVE DISEASES.

rgyle-street, hiope, by all bookselle dence, No. 7, Frith-st dence, No. 7, Frith-st law forwarded them, gov ; notassen, 11, ortenant-arrect, Edmontgn; and, in a wassed en-leters.—Messirs. Curtis and Go, are to be consulted daily at their re-netroes, Soke-square, London; and patients can have this work pri-ent, by initial or otherwise, to any part of the United Kingdom, direct safitence; or from any of the above agents, on remitting 2s. 6d. in

The Nineteenth Edition, price 2s. 6d.; free by post, 3s. 6d.

THE SILENT FREND: a medical work, on the concealed
entire of constitutional or acquired distility, loss of muscular energy, and derangement of the senerative system, survess destility, constitutional weakness, excessive indiagence, fact, with Observations on Marriage, &c., By R. and E. FERRY and Co., ser
geoss, Loidon. Published by the anthors, and sold at their residence; also by Strauge,
1, Paternoster-rove; Hannay & Co., 6g. Oxford-street; Noble, 109, Chancery-lane; Gordon 146, Leadenthall-street; Purkias, Compton-street, Soho, London.

Part L. of this work is addressed to those whe are prevented from forming a marrimonial alliance, and will be found an available introduction to the means of perfect and secert maintains to make local. Fort II. treets upon those forms of diseases, either in their
primary as according data, arising from infection—showing how numbers neglect tool;
Tain completes modical side, weathly upon the complete the model of the continuous control of the means of the complete the control of the means of the control of the complete the control of the control of

the CORDIAL BALM of SYRIACUM is a stimulant and renovator in all cases of continuous or acquired debility; by its may the whole system becomes restored to a healthy of erganization. Sold in bottles, gives its an all cases of the strength of the strength

other deleterious drugs, and may be taken with safety without interference with or so of time from business, and may be taken with safety without interference with or so of time from business, and may be relied upon in every finitance. Sold in bears, at \$1,4,4,6,6, and 11s. each, by all medicine vendro—of whom may be had the Silent-Meanra R. and L. Perry and Co. may be consulted at No. 19, Berners-street, off-delived, London, daily.

## Proceedings of Bublic Companies.

MEETINGS DURING THE ENSUING WEEK. MEBLINGS BURLING THE ENSUING WEEK.

TURBDAY ...... Union Bank of Australia—offices, at One.

Loadon Cemsters, Chapmany—offices, at Two.

Commercial Bank of London—offices, at One.

London Cemsters, Cappany—Radley's Hotel, Blackfriars, at Eleven.

WEDNERDAY.... City of London Gas-Light Company—offices, at Two.

Mutual Life Assurance Society—offices, at Two.

Farday..... Tremance Missing Company—Mr. Watsen's, Cornhill, at Twelve.

Satuaday.... Birming bans and Oxford R'way—King's Arms Hotel, Westminster, Ele

[The meetings of Mining Companies are inserted among the Mining Intelligence."

The half-yearly general meeting of proprietors of this company was held at the Dock House, on Tuesday, the 18th inst., for the purpose of declaring a dividend for the half-year, ending the 30th June last, and for the election of 21 proprietors, as directors of the company, for the year ensuing.

THOMAS TOOKE, Esq., in the chair.

THOMAS TOOKE, Esq., in the chair.

The SECRETARY read the notice convening the meeting, when
The CHAIRMAN briefly addressed the proprietors; and observed, they were
aware that the accounts of receipt and expenditure, according to the Dock Act,
were only submitted to them for inspection in the month of January in each
year, and that the amount of dividend then declared governed the July dividend. Under those circumstances, the directors proposed that a dividend
should be declared of 2½ per cent., for the half year ending the 30th June last,
on the capital stock of the company, and upon the instalments paid on the additional stock subscribed for; the amount of income tax payable on such dividends, to be defrayed by the company, and the dividends to be payable on
Wednesday, the 21st inst., and following days (Sundays and holidays excepted),
which proposal was unanimously adopted by the meeting. The Chairman
next adverted to the business transacted in the St. Katharine Docks during
the last six months; and referred to an abstract of the statistical and comparative returns which had been laid upon the table for the information of the
proprietors, of which the following is a copy—showing a very large increase in
the landings, and in the stock of goods in warehouse on the 30th June last;—

randings, and in the se	oca or	Poores :		-cuou					
ST. K.	ATHAR	INE DO	DCK8	-ABS	TRACT.				
				To	45. ms.	184 Tos	18.		1847. Tons.
tock of goods in warehouse	on Jun	E 30	*****	02,	269	Out	100		00,819
Fig. 1. San						Inc	rease		5,444
oods landed during six mo	nths, en	ding Ju	ne 30	56,	580	52,7	16	**	73,739
THE PROPERTY ASSESSMENT	Allego.	30000		100			rease		21,023
SHIPPING		45.	POR		ALF-YEA		47.54	184	7.
hips with cargoes	Ships.	Tons.			Tons. 87,380		Ship	B	Tons.
Marie Miller	100.400				Increa	ne	6		330
hips entered light to load	158	15,294		112	11,440	****	180		12,479
					Increas	95	18	Ŕ	1,039
			Total	Increa	86		24	13	1,378

number of vessels, with their registered tonnage, that entered from forei cargoes during the six months ending 5th July, 1845, 1846, and 1847, disti

	1845.					46.	1847.					
11.1 / 40.5 Sec. 108						Zona.				Tons.		
British	2160	480,886		2303		494,916		2599		570,904		
Foreign	1003	141,995		993		165,651		1685		223,364		
	_			-		-		-		-		
	3163	622,881		3296		660,567		4284		794,268		
	Ineres	se, chiefi	V COT	m and	EW	ovision is	den.			AND ADDRESS OF		

The Charman, in reply to a question from a proprietor, observed, that the established rule adopted at each July meeting, of not exhibiting financial accounts for the preceding half-year, precluded him from entering into any particulars; but he felt himself justified in saying, that the net earnings during that period-exceeded the dividend declared, and which was payable on the augmented capital, by conversion, with a provision also for the payment of the income tax on the amount of such dividend—a communication which appeared to give very great satisfaction to the meeting.

The ballot for 21 directors of the company for the year ensuing was then proceeded with, who were elected, when a highly complimentary resolution of thanks to the chairmen, and the rest of the directors, for their staleous exertions to promote the interests of the company, was passed unanimously, and the meeting thereupon separated.

ALFRED LIFE ASSURANCE SOCIETY.

The annual meeting of this society was held in the society's premises, Lothbury, on Wednesday last.—Sir Desur corr., Bart., in the chair.

The following report was read by the SECRETARY:—

The directors have much pleasure in submitting their annual report to the members of the association. The accounts of the society have been examined, and approved by the auditors, and abstracts of them are laid on the table for general inspection. The annuity fund remains unaltered, save in the diminution necessarily arising from the payments made to the annuitants, and the small sum which it contributes to the general expenditure. The assurance fundaceount exhibits an iscome arising from interest and premiums of 18,0001, within a few shillings—2943. Isa. 5d. of which result from the new policies issued during the year, and which amount to 101, making an swarage of about 7501, each. The chief payments from this fund have been for claims on decease of lives assured, 465.2. Isa. 8d.; for premiums returned on dropped policies, 1171. Its. 6d; and for expenses of management, 2279-138. Itd. After making provision for these and every other demand, the directors are happy to say, that a clear stripus of 93451. Isa. 7d., has been carried to the credit of this fund, which, consequently, now amounts to 50, 5184. Isa. 5d. It was stated by the chairman at the last annual meeting, that the society had been particularly fortunate as regarded the mortality pervading its members; this feature still continue remarkably prominent; amongst the large number of individuals now registered in the books of the society, only four deaths have occurred during the year, certainly not half the number, which it is only reasonable to expect, would occur within that period. The directors believe there is no instance on record where, under similar eigenmuntances, the death have been so few, and the amount claimed occur within that period. The directors believe there is no instance on record where, under similar eigenmuntances, the death have been so few, and

The dir

UNION BANK OF LONDON.

UNION BANK OF LONDON.

The eighth annual meeting of this bank was held at the establishment, in Princes-airect, London, on Wednesday, the 14th inst, and was well attended. Sir Peters Laurie, Kut., in the chair.

Mr. W. Laurie (the secretary) having read the advertisement convening the meeting, and the report of the directors (50th of which will be found in our advertising columns);—the Chairman than aid, it would be unnecessary for him to address them on the subject of the report, which they were now familiar with. All he could say was, that the document laid before them was a found fide and true account; and he should be only speaking the sense of the directors, if he said it eight to be a consolatory to the proprietors as it was to the directors themselves. (Hear.) They had the pleasure of congratulating the shareholders on the prosperous state of this bank, which had been fewer years in existence than any other in the metropolis; and, as to its comparative progress, he thought they had no reason to complain. (Hear, hear.) They would see by the paragraph in the report that the reserved share were ask, and a mine they had not yed dug; but when they did so, it would turn out a very important one for the shareholders—for, by the sale of those shares to the best advantage, they might expect their reserve fund. They had now 40,000. They were, however, quite safe for this year; but ne doubt, next year, it might be found judicious to take the premiums to the reserve fund. They had now 40,000. as a reserve; and should the same prosperity continue till the next annual meeting, there would be probably a further sum of 20,000. Added to the reserve fund. The directors did not request power to sell these phares, except for their own particular advantage, or at a time of emergency, when a larger capital might be advantageously employed, when they would come as a founce howefer the shareholders. They had the pleasure of recommending a dividend of 6 per cent. for the whole year—their was 25 per cent. paid in Jan, and the pre

were doing well—that, however, was no reason why they should not do server. He regretted to find that the directors had refused to keep the accounts of building societies.

The CHARBARN said, he know that was the case, for he had not the best opinion of building societies; he had always thoughtthey were dangerous speculations; he had declared it from the bench; and he now said, they were of no use to them in their banking operations—but he hoped they were not to be called to account there for their mode of management in their banking affairs; if so, he must call upon the proprietors to rally round the directors.

Mr. BROWN asked, how it was that the item of 56990, was carried to a new account?—Mr. LAULIE (a director) said, the old profit and loss account was carried into the general account.—Mr. Schingsono beerved, that it was not carried to that account, without rebating those bills not yet dise, which were done at the very liberal amount of 50284. (Hear, hear.)

The report was then adopted unanimously.

Peter Laurie, Esq., James Farquhar, Esq., and John Chapman, Esq., were elected directors of the company unanimously.

A vote of thanks was passed, with much approbation, to the court of directors for the great zeal and ability displayed by them in the management of the bank's affairs.—The CHAIRHAN, in returning thanks, observed that they were as anxious about the bank as if it was their own property. That anxiety, he assured them, would continue on the part of the directors; and he only hoped that, year after year, they would receive the same meed of approbation at the hands of the proprietors. (Applause.)

Mr. Anderson proposed a vote of thanks to Mr. Scrimgeour, the general manager, which was seconded, and agreed to unanimously.

Mr. Clack and Mr. Wight (branch managers) also received the thanks of the proprietors, likewise Mr. Walter Laurie (the secretary), who soverally returned thanks.—After a vote of thanks was passed to the chairman, the meeting adjourned.

Ing adjourned.

LONDON JOINT-STOCK BANK.

The half-yearly meeting of this company was held at the establishment in Princes-street, Bank, on Thursday last.

John C. Lochisen, Esq., in the chair.

The Secretary read the following directors' report:—
The directors have the pleasure of presenting the accounts of the best for the last.

haliant state with a state with

from stone gentle himse estate price

nerati such i of imp

care, if Feath was a Irelan on Imp the distormand their is their is their is their earn to the important to

The directors have the pleasure of presenting the seconds of the bank, for the last half-year, and of informing the shareholders, that the set profit for that period amounts to 34,6631, is. 6d. In pursuance of the determination expressed in their last report, the directors have appropriated 18,0006, for the payment of the usual dividend, after the rate of 6 per cent. per annum—earrying forward the sum of 16,662f. is. 6d. as undivided profit, to be disposed of at the conclusion of the year. The dividend will be payable on and after Friday, the 23d July inst.

to be disposed of at the conclusion of the year. The dividend will be payable on as dafter Friday, the 23d July last.

From the statement of accounts, it appeared that the gross balance of profit for the half-year was 59,005£ 16a. 4d., from which had been paid for current expenses, 18,25£ 17a. 6d.; bills discounted, not yet due, 11,16£ 17a. 4d.; dividend for the half-year, at 6 per cent. per annum., 18,000£—leaving balance of undivided profit, 16,668£ 1a. 6d.

The CHARMAN moved, that the dividend, at the rate of 6 per cent. per annum be declared, and also that the report be printed and circulated amongst the shareholders.—G. H. Forras, Eq., seconded the motion, which was carried.

Mr. Deputy Corner thought the proprietors would not like to leave the room without recording their sentiments as to the sonduct of the directors. He should briefly move, that the thanks of the meeting be given to the chairman and directors, for the able manner in which they had managed the affairs of the bank, and for the admirable results they had obtained for the proprietors.—The motion was seconded, and agreed to unanimously.

A Proprietor three out a suggestion as to the expediency of increasing the capital of the company by issuing new shares, or by a call on the present shares, if it should be found more desirable. Looking at the value of money at the present time, and the probability of its retaining its value for several years, he thought the question of increasing their paid-up capital was worth consideration.—In answer to a proprietor, the Crammata and, it was not found to to be expedient to print the Deed of Settlement, as it could always be referred to by shareholders on application to the secretary.

Capt. ELISOYT reported, that the Clerks' Benevolent Fund had so far pregressed, that they had a sum of 400£ subscribed, and that it was joined by nearly all the clerks of the establishment.—The meeting than adjourned.

NORTH-WESTERN BANK OF INDIA.

At the half-yearly general meeting of proprietors, held at Meerut, on Feb. 5, Colonel Gwarken, in the chair, the report of the directors was highly satisfactory; the set profits exhibited on the transactions for the half-year ending the Slat Dec. last, amounted to Rs. 1,99,824 2 4, which would admit of a dividend of Rs. 16 14 8 per cent. per annum; but it was strongly recommended, that not more than 12 per cent. should be declared, is order to allow the balance of Rs. 47,728 B. 10 to be carried to the reserve fund. During the year 1848, the bank had been most prosperous. On the Slat Dec., 1845, a dividend of 10 per cent. was paid; there was a paid-up capital of 20 leas of rupees, and a reserve fund of only Rs. 31,140. By the end of 1846, the capital increased to 30 leas; 12 per cent. could be paid, and the reserve fund increased to Rs. 1,57,429 10 5. The usport expressed for any continuous co

be allowed to parties absent from India. From the statement of accounts, it appeared that the liabilities consisted of deposits and securities, reserve fund, bills payable, balances due other banks, profit and loss, and the paid-up capital of 30 lace of rupees, and amounted to Rs. 43,77,995 10 10; and assets, consisting of bills discounted, loans, balances due by branches and banks, cash and bills on hand, &c. &c., to the same sum; showing a balance of profit and loss in favour of the bank of Rs. 1,99,824 2 4.

Resolutions were passed, adopting the report and accounts, and for authorising the directors to carry out the recommendations contained in the report, and empowering them to appoint committees to assist the several agents at the branch banks, as they may consider advisable. Thanks were then voted to the chairman, and the meeting separated.

RISH WASTE LAND IMPROVEMENT SOCIETY.

A special general meeting of shareholders of this society was held at the King's Head Tavern, Poultry, on Tuesday last. The Earl of DEVON in the chair.

A special general meeting of shareholders of this accisty was held at the King's Head Tavenn, Petry Rendely jear. The Earl of Deroys in the chair.

The Care of Deroys in the Care of Deroys in the chair.

The Care of Deroys in the Care of Deroys in the Chair.

The Care of Deroys in the Deroys in the Care of Deroys in the Care of Deroys in the Care of Deroys in the Care of Deroys in the Deroys in

engagementa. He thought they were certainly liable to the landlords to pay the rent; they could not turn round upon them and any, we will do no more—the landlords might say, you undertook to pay 66', a share, and we shall expect you to raise that sum, for you are liable to use to the amount. Suppose we were to do, what I think no gentleman in this room would do, transfer our shares to men of straw, why, then, we might releave some time must elapse in the operations of the society, before anything in the shape of dividend could be expected; though they have not yet received any, he thought they would. He (LordDevon) was an Irish landlord, and had suffered greatly from the late calmity, and he fell the payment of the calls a heavy charge; but he was bound, as a member of the society, to continue it. (Cheors.)

Mr. Peance spoke in a low a tone, we could not distinctly hear him. We understood him to say, he was satisfied with what he had hoard, and in consequence he would propose the following resolution to the meeting. They had heard much about Irish landlords in this country of late, but it should be remembered their estates were entailed obligations.—not so with this society, which had become possessed of land under certain obligations, and he had no doubt city of very member of the society to fulfil thought to move the following resolution:—"That, by the incorporation of his society, the Logical autor had entrusted it with the power and responsibility of effecting a great national good, in the reclamation of the wate lands of Ireland, but that the undertaking resulting from that responsibility, however carried to produce a fair return for outlay, must of necessity be, from its nature, slow of accomplishment, even under the most awourable circumstances. That, notwithstanding the satisfactory progress of the society's affairs during the management of the eatasts by Col. Robinson, and which the proprictors have invariably approved at their general meetings, some difficulties of a public nature, explained from time

their application.
of thanks was passed to the chairman, and the meeting separated.

### BIRMINGHAM AND OXFORD JUNCTION RAILWAY.

Another adjourned extraordinary special general meeting of this company was held at Dee's Royal Hotel, Birmingham, on Monday; but, in consequence of the bill for amalgamating the company with the Great Western being rejected by the House of Lords on Thursday night, the attendance was small, and the proceedings occupied only a few minutes.—Mr. Wo. MATHEWS (in the absence of Mr. P. H. Muntz, the chairman of the board of directors, who is now on the continent) presided on the occasion.

Mr. MOZLEY said, that in consequence of what had recently occurred, he should have to propose another adjournment. Since they had last met—in fact, so late as Friday night last—circumstances had arisen, which it was hoped would have the effect of leading to an amicable settlement of the points in dispute. He (Mr. Mozley) admitted that he was acquainted with the nature of these propositions, but as yet it would be premature and imprudent to disclose them, or make any statement upon the subject. Under these circumstances, he considered that it would be most convenient to the parties interested, that the next meeting should be in London. He moved that they now adjourn until Saturday, the 24th inst, the meeting to be held at the King's Arms Hotel, New Palace-yard, Westminster, at 11 o'clock on that day.

The motion, being seconded, was carried unanimously, and the meeting accordingly adjourned.

AMBERGATE, NOTTINGHAM. AND BOSTON RALLWAY

AMBERGATE, NOTTINGHAM, AND BOSTON RAILWAY.

AMBERGATE, NOTTINGHAM, AND BOSTON RAILWAY.

A special meeting of shareholders was held at the George and Vulture Tavern, Cornhill, on Tuesday, the 13th inst.

B. Badder, Esq., in the chair.

The object of the meeting was to decide as to what ought to be done in the present condition of the company. It appeared, from a statement read, that since the meeting on the 25th of June, the committee then appointed to confer with the directors had put several questions to the board for the information of the shareholders at this meeting, but had received no satisfactory answer, the secretary stating that there would be no board meeting till after the 21st inst.—The Chainman alluded to what he considered the impropriety of the directors refusing the offer of the Great Northern, both of which matters ought to have been previously submitted to the shareholders.

Mr. Rogers, after a long apeech, in which he condemned the conduct of the directors in adhering to the integrity of the line, when by cutting off a portion of it, the reat would be more profitable to the shareholders, and more suitable to the wants of the country, concluded by moving a resolution, that the directors did not possess the confidence of the shareholders, and more suitable to the wants of the country, concluded by moving a resolution, that the directors did not possess the confidence of the shareholders generally, by refusing advantageous offers for selling or leasing the line, and withholding necessary information; which acts rendered expedient a change in the constitution of the board of directors.

Mr. Carex seconded the motion, which, after some discussion, in which Mr. Heeley justified the course pursued by the directors, was passed with only five or six dissentients, out of a large meeting. A resolution was also passed, urging the committee to carry out their recommendation, and to carvass the shareholders generally, so as to take their measures prior to the half-yearly meeting in August, when a portion of the directors would retire.

New Railway Bills.—Yesterday week, 65 railway bills received the Royal assent. Aggregate capital authorised to be raised by these bills, 10,428,380*l*, and to borrow 2,938,240*l*.—total, 18,866,620*l*., for the construction of 600 miles of railway. During the present session, 136 railway bills have received the Royal assent, authorising the sum of 25,895,900*l*. to be raised by capital and loan, for the construction of 1442 miles of railway.

EAST INDIA JUNCTION RAILWAY.—It will be seen in our advertising columns that search in the second received the second received the second railway.

East India Junction Railway.—It will be seen in our advertising columns that another important railway project has been brought forward for India, by a respectable list of promoters under the above title, which appears to offer great advantages, both in a political and commercial point of view, to some of the richest and most productive provinces of North Western India. Its object is to connect the large and populous cisies of Jaunpoor, Azimguth, Ghazeepoor, and Goruckpoor, with the great trunk line of the East India Railway at Alahabad and Benares; and we learn that so great has been the demand for shares in this important undertaking since its announcement, that the provisional committee are compelled to limit the time of application for shares to a much earlier period than they had originally contemplated.

GREAT RUSSIAN AND POLISH RAILWAYS.—The Emperor Nicholas has just

so freing that ther efficie should be very great to the comparing of the company of the company

ACCIDENTS.

Accide ACCIDENTS.

which it revolves; some brickwork had to be removed to get mm out, which took one hour and three quarters, when it was discovered he had broken at high and arm, and received numerous concussions; he lingered until the Monday, when death relieved him from his sufferings.

\*\*THE BRIGHTON RAILWAY—ACCIDENT.—The morning papers of Tuesday last, announced the occurrence of an alarming accident on the London and Brighton Railway—the claamity befalling a train composed of some 600 persons, who had collected together to enjoy a day's relaxation from business, and to contribute towards the funds of a deserving object—the provision for decayed printers. True, no lives were lost; and the injuries were confined to several persons receiving very severe contusions; one having five teets knocked out of his head, and another three; while a great number, though but slightly hurt, were greatly frightened:—and most true, as was philosophically urgd. "that might have been much worse!" But, by what mischance were the lives of some hundreds of persons operilled, as to be, apparently, miraculously preserved from destruction? From a knowledge of some of the arrangements of the day, we will examine, as well as we can, into the causes. The committee of the Printers' Pension Society made arrangements with the directors of the railway to run two special trains to Brightion, on Monday last, returning by one in the evening. On the Saturday afternoon, the secretary was waited on, to preclude the possibility of a mistake arrang from inattention on the part of the society. On the Monday morning, when a great number of persons were assembled, the parties concerned, seeing no preparatious, made enquiry, and were surprised to hear from the officials, that they were in ignorance of an excursion being fixed for that day; but, after some trifling delay, a train was prepared, and started, according to agreement, punctually at 7 o'clock, arriving at Brighton by 91; the second left. London at 84, arriving at Brighton at 104—each, of the party to suspect

## Mining Correspondence. ENGLISH MINES.

BARRISTOWN,—The 18 fm. level end, west of flat-rod shaft, is at present in a slide; the rise behind this end is worth 20% per fm. The winze is susan a since; the rise beand this end is worth 20% per fm. The winze is suppended at present, for want of sufficient air for the men to work. The 12 fm. level End, west of flat-rod shaft is improved, worth about 8% per fm; the stopes on middle lode, under the same level, east and west, are worth 16% per fm. In the winze sinking under the 18 fm. level, on middle lode, the lode is larger than herotofore, but not improved for ore. At Clon Mines, we are still costeaning. We hope to ship a cargo of 40 tons about the 24th.—T. Angove; G. White; July 9.

G. White: July 9.

BEDFORD UNITED.—At Wheal Marquis, the lode in the sump winze, in the 80 fm. level east is 3\(\frac{1}{2}\) ft. wide, and worth 38\(\ell\) per fm.; in this level east the lode is 3\(\frac{1}{2}\) ft. wide, and worth 22\(\ell\) per fm.; the lode in the stopes, in the back of this level, is worth 26\(\ell\) per fm. There has been no lode taken down in the 70 fm. level east; in the winze, in this level, the lode is 2\(\frac{1}{2}\) ft. wide, good work. The lode in the 55 fm. level east is still unproductive. At Liscombe, there is no alteration in the adic level east, or rise, in this level since last report.—The lode in the south engine-shaft is 3\(\frac{1}{2}\) ft. wide, ore, mundic, and spar. In the adic level east the lode is 2\(\frac{1}{2}\) ft. wide, composed of spar, gossan, and mundic—Jayes Pinillers: July 13.

-JAMES PHILLIPS: July 18.

In the adit level east the lode is 2 ft. wide, composed of spar, gossan, and mundic.—James Phillips: July 13.

CALLINGTON.—The engine-shaft at Kelly Bray is 26 fms. deep; a whim plat has been cut at the 25, and we are now cross-cutting towards the lode. The surface water has prevented our sinking the shaft on the course of the lode for a short time. The men are now driving west 11 fms. deep, to meet the shallow adit (now in course of driving towards them); the lode is 4 ft. wide, of the most promising composition, with small rich bunches of yellow copper ores in the gossan. In the 100 fm. level, driving south from the north engine-shaft, the lode continues to produce good work; the ground is soft in the north end; we have intersected a cross lode; the ground is now softer—lode worth 151, per fm. No change has taken place in any other level. At the south mine, in the 125 south, the lode is 1 ft. big, intermixed with silver-lead ores; the back will work at a moderate tribute; in the north end no lode has been taken down. In the 112 north the lode is 1 ft. big, composed of fluor-spar, with a small quantity of silver-lead ores; in the south end an improvement appears to be taking place—the lode has not been taken down. The 100 fm. level, in both directions, is opening tribute ground. The winze, below the 90 south, is holed to the 100 fm. level; the 90 continues to produce work of an average quality. The tribute department has a favourable appearance, and our prospects, on the whole, continue good.—J. T. PHILLIPS: July 12.

COATLITHE HILLS.—The level east from A shaft has been driven about

nce, and our prospects, on the whole, continue good.—J. T. PHILLIPS: July 12.

COATLITHE HILLS.—The level east from A shaft has been driven about fit. during this week. The vein in the end is rather enlarged, and more slid, with spots of ore in it, and I have every reason to believe it will greatly aprove as we drive eastward. The horse level has been driven about a fathom uring this week.—J. M. PAULL: July 10.

improve as we drive eastward. The horse level has been driven about a fathor during this week.—J. M. PAULL: July 10.

CUBERT SILVER-LEAD.—The engine-shaft continues spare for sinking, ground still hard and wet. In the 85 fm. level, going east and west, the lode averages 2 ft. wide, worth about 3l. per fm. for lead.—promising levels. In the 25 fm. level, driving east, the lode is 3 ft. wide, and worth a ton of lead ore per fm.; westwards in this level we are cutting from Trebiskin to the great lode, and expect we have about 6 ft. further to drive to intersect the object. The men are getting on pretty well in sinking the new sarface whim-shaft in the Earl of Falmouth's land. With respect to the tribute department, three of the pitches have improved pretty much since the last setting day.—R. Rowz.

DEAN PRIOR AND BUCKFASTLEIGH.—In the deep adit, driving west, the lode has a very promising appearance, about 2 ft. wide, and carrying a leader of mundic against the hanging, or south, wall—present price for driving 3l. 5s. per fm. In the 40, or 10 fm. level under adit, the lode is about 18 in. big, composed chefly of spar, with some iron intermixed; it appears that we are getting through or under the vale, and extending to hill, I hope to find the lode more favourable and productive for ore; the change in the broken ground, that we have had to pass through, I always anticipated, as I have made mention to you before—present price for driving at this level 3l. 10s. per fm. The lode in the pitches, back and bottom of the 40, is looking very favourable, and the tributers are working with spirit; the lode in the pitch, back of the bottom level, is producing some fine stones of horse-flesh ore of rich quality, but not a great quantity—those indications are quite sufficient to convince me that we shall have large deposits of yellow ore in the deeper levels; in the bottom level we are driving on the south part of the lode, being of a very promaising character and greatly improved for driving—present price for driving, 50s, per

so as to get on with this work with all possible speed.—H. Choare: July 12.

DEVON AND COURTENAY CONSOLS.—The lode in the 30 fm. level east of the engine-shaft, is 4 ft. wide, composed of peach and mundic, and soft spar, with some spots of black ore and malleable copper interspersed throughout the lode; during the driving west, in the same level, the men have intersected a slide dipping east, which seems to have disordered the lode for the present. In the engine-shaft the men are at present employed in cutting ground for bearers and cistern, and other work (preparatory to sinking a shaft to the next level, which I hope will be completed in about 10 days from the present time). The lode in the deep adit level, on the south lode, is 2½ ft. wide, composed of kills and bunches of spar, with some spots of yellow ore. In the shallow adit level, on the north lode, the lode is 2½ ft. wide, composed of flookan, mundic, white iron, and can, with a few spots of lead ore, but at present not worth saving.—N. Seconder: July 13.

EAST CROWNDALE.—The ground in our engine-shaft is very much changed for the better—the branch of spar having worn out; and we are now in a channel of clear blue killas, which is down 58 fms. 5 ft. 6 in. I hope our progress will, in future, be much faster than it has for some time past. The ground very congenial for tin; our engine and pitwork are all in good order.—Stephen Paule.: July 13.

EAST TAMAR CONSOLS.—The lode in the 54 fm. level, north of Harri-

ground very congenial for tin; our engine and pitwork are all in good order.—

EXEPTEEN PAULI. July 13.

EAST TAMAR CONSOLS.—The lode in the 54 fm. level, north of Harrison's shaft, is 20 inches wide, composed of fluor-spar and ore; the lode in the 54 fm. level south is 2 ft. wide, good saving work. The lode in the 46 fm. level south is 20 in. wide—a very kindly lode. The lode in the 38 fm. level south is 16 in. wide, fluor-spar and aliver-lead ore; the lode in the 41 fm. level south is 20 in. wide—a very kindly lode. The lode in the 38 fm. level south is 16 in. wide, work of a good quality. At Charlotte's, the lode in the 11 fm. level is 20 in. wide, good saving work. By having Whitson water to Furzehill, we have sufficient for all our dressing department, and also to enable us to keep 12 heads of our stamps to work by day, and 24 by night. According to the present prospects of the mine generally, there is not the least doubt but that we shall have an increase in our sampling. We shapped off on Wednesday last 80 tons of lead ores, sold to Messrs. Walker, Parker, and Co., and sampled on the same day 40 tons of lead ores for June mouth.—B. Robins: July 13.

ELBOROUGH.—The lode in the 16 fm. level, east of Vivian's shaft, has much the same appearance as last week; also, in the lode in the bottom of Vivian's, no alteration worth remarking, but still large, and very kindly. I sold, on Tuesday last, 5 tons 6 ewts. 2 qrs. of barytes.—E. Trevitance: July 15.

EXMOOR WHEAL ELIZA.—Up to this time our shaft has been sunk 7 fms. below the addit level, which is 2 fms. 5 ft. from the surface, making the whole depth at this time 9 fms. 5 ft., through as large strong gossan lode as I have ever seen; containing yellow and green copper ore, mundic, and white inon, of which I send you a few specimens, hoping they will arrive safe. As the lode is underlaying south, and we are sinking perpendicular, we are, consequently, leaving the south part thereof, and constantly cutting branches carrying, at times, good stones of ore. More br

snail meet with by costeaning to sink the engine-shaft. You will perhaps recollect, that in bringing up the level to the engine-wheel, we cut a lode some
of firms to the east of our engine-wheel, where we broke some good stones of
copper ore; we are now costeaning to cut the same, and the other lodes we are
working on, about 200 firms east from our engine-shaft. The shelf in this
place is deep, so that we cannot make much progress; but we find fine stone
of gossan aboud in the alluvial, and I hope to find a strong and good lode where
we cut it.—Joazent Privor: July 13.

GREAT MIGUELT CONSOLE.

of gossan aboad in the alluval, and I hope to find a strong and good lode when we cut it.—Joseph Priors: July 13.

GREAT MICHELL CONSOLS.—In the 35 fm. level, east of the engine-shaft, the lode is composed of mundic, spar, and stones of ore; in this level west the lode is producing good stones of ore, intermixed with fluor-spar and mundic, very promising. In the winze, sinking below the 22 fm. level, west of the engine-shaft, the lode is producing good stones of grey and yellow ore.

—T. Bronames: July 13.

GREAT WHEAL MARTHA.—The cross-cut is driven 19 fms. 4 ft., and we have now got into the capels of the lode; but as the water is issuing into it so fast, and the air so light, we shall not be able to do anything more in the end until we have fixed pipes to carry in fresh air, which will be completed by Monday next, when I hope to resume operations again. It appears we have a large hollow lode before us, as the water is descending fast from Thomas's abaft, and I expect it will be down to the 10 by Monday. I hope to give you a more detailed account of the lode in my next. In coateaning at Sherrall's, we have discovered another lode, about 150 fms. to the north of the former one (worked on), which is about 3½ ft. big, though very shallow (being 6 ft. from nurface); I find it to contain 1ron, mundic, and a small quantity of tin.—T. Prenaluna: July 10.

GUNNIS LAKE.—At Chilsworthy, the lode in Bailey's engine-shaft is 3 ft. wide, composed of spar and mundic, with good stones of copper ore, very kindly. There is no alteration in the 12 fm. level west, the same being driven north to cut the lode.—W. Richards: July 13.

HAWKMOOR.—The lode in the 15 fm. level, east of Hitchina's shaft, continues 3 ft. wide, principally spar.—P. RICHARDS: July 13.

HEIGNSTON DOWN CONSOLS.—The lode in the 20 fm. level, east of North shaft, is 2½ ft. wide, preducing some good work, and very kindly; there has been no lode taken down in this level west; the pitches, in the back of these levels, are looking favourable; we are still clearing and securing Buddle's adit level. The engineers, &c., are progressing satisfactorily with the erection of the engine, which is intended to be set in motion (to draw from the eastern shaft only as the stamps, and other machinery, is not ready, owing to the founder's inability to supply us with the required castings in time) on Monday next.—W. RICHARDS: July 18.

HOLMBUSH.—The ground in the diagonal shaft, below the 120 fm. level

these levels, are locking favourable; we are still clearing and securing Budcile's addit lovel. The engineers, &c., are progressing saidsactorily with the
erection of the engine, which is intended to be set in motion (to draw from the
coastern staft only as the stamps, and other mechaney; is not rearly, owing to
Monday next.—W. Richta mps. July 18.

HOLMBUSH.—The ground in the diagonal shaft, bold with 120 fm. lev.]
is quite as favourable for sinking now as we have ever seen it; and, should it
continues, it will enable us to reach the 135 sooner than we had previously anticipated, where we intend driving a level, as we intimated last week. The lode
in the 120 fm. level, west of the great cross-course, is 15 in, wide, composed of
spar, mundis, and stones of ore; the bole in the same level, east of litchen's
stones of ore. The lode in the rise, in the back of the 110 fm. involved of
spar, mundis, and stones of ore; the bole in the same level, east of litchen's
stones of ore. The lode in the rise, in the back of the 110 fm. involved the same is the pickee in the back of the 110 fm. involved the same; the pickee in the back of this level as the same; the pickee in the back of this level are producing very good lead, and
the lot of the same is the same is the same is the same is the same; the pickee in the back of the 130 fm. level wouth, break, do.;
and will, if possible, set it to work before the time promises—W. Tasel, &c.,
and will, if possible, set it to work before the time promises—W. Tasel, &c.,
and will, if possible, set it to work before the time promises—W. Tasel, &c.,
and will, if possible, set it to work before the same produce of the same produced same pr

communication through the adit.—W. Jenkin: July 12.

SILVER VALLEY.—At the engine-shaft, in the 50 fm. level cross-cut, we have driven 7 ft. north of the lode, and there is now a quantity of water issuing from the end, which we hope will be all drained to the bottom of the level as soon as the north branch, or branches, of the lode are cut through; we shall then, no doubt, progress more satisfactorily. At the silver mine, in the 30 fm. level, driving west, the lode is now about 16 in. wide; it has a very kindly appearance throughout, and the south part contains traces of silver. The lode in the 20 fm. level west is about 30 in. wide, and has varied but little in its composition since reported last, being a large proportion of mundic, a little fandam and quartz, and spots of lead eccasionally; the lode in the stopes, in the back of this level, is 2½ ft. wide, producing a little saving work, and has a very promising appearance. At Osk shaft we have commenced operations; and, while the weather continues dry, we shall, as fast as possible, clear the shaft to the present bottom, and sink to communicate with the Wheal Brothers deep adit, and for which purpose we have also commenced rising against the shaft from the back of this level. We have this day sampled and offered for sale about 4½ tons of tim.—S. Richardes: July 12.

UNITED HILLS.—In the 90 fm. level, east of Williams's shaft, the lode is

the shaft from the back of this level. We have this day sampled and offered for sale about 4½ tons of tin.—S. Richards: July 12.

UNITED HILLS.—In the 90 fm. level, east of Williams's shaft, the lode is 3 ft. wide, worth 15t. per fm.; in the 90, west of ditto, the lode is 3 ft. wide, worth 15t. per fm.; in the 90, west of ditto, the lode is 3 ft. wide, worth 15t. per fm.; in the 80, west of Williams's, the lode is 2½ ft. wide, worth 15t. per fm.; in the 80, west of Cross-cut, the lode is 2ft. wide, worth 15t. per fm. In the 80, west of Cross-cut, the lode is 2ft. wide, worth 15t. per fm. In the 70, east of eastern shaft, the lode is 2ft. wide, worth 15t. per fm. In the 70, east of eastern shaft, the lode is 2ft. wide, worth 15t. per fm. At Wheal Charles, in the 50, east of distors shaft, the lode is 2ft. wide, worth 9t. per fm. In the 20, west of Turner's shaft, the lode is 2ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 3ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 1ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 1ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 1ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 1ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 1ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 1ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 1ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 1ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 1ft. wide, worth 9t. per fm. In the 20, west of ditto, the lode is 1ft. wide, worth 9t. per fm. In the 20, west of ditto, the 8t. The bolie will commence working te-morrow.—T. TREVENEN; R. WILLIAMS: July 9t. TAVY CONSOLS.—The bottom end is looking very promising, there being a lode of mundic and good stones of ore, from 2 to 3ft. wide; the other part of the lode is composed of capel, spar, and mundie, with stones of ore in places; I set 2 fms. to discound the per promising than before

the lode is 1 ft. wide, but very little ore. In the 60, west of ditto, the lode is 3 ft. wide—spar and mundic, with stones of good ore. In the 70, west of Symons's, the lode is 4 ft. wide—capels, with rather more ore in the seath part of the lode. In the 60, west of ditto, the lode is 15 in. wide, producing stones of ore only, not to save; in the adit cast, on Wheal Parent lode, the lode is 25 ft. wide, intermixed with killas, not much ore. Our object in driving, west in the 110 from the cross-eut, is to prove this piece of lode, which is about 7 fms. to the cross-course, and also to drain the winze, sinking below the 100; in which we have a pretty large quantity of water, and at present more than pay for sinking. I also think the winze will come down through this plees, which we intend to drive into. We cannot ascertain this by the dial in the engine-shaft, in consequence of so much iron.—W. Symons: July 10.

WEST WHEAL JEWEL.—In the 30 fm. iswel, on Tolcarne tin lode, the lode is 16 in. wide, worth 71, per fm; in the stopes east of Quarry shaft, in the bottom of this level, the lode is 3½ ft. wide, worth 201, pur fm.; in the stopes east of Quarry shaft, in the back of this level, the lode is 62 ft. wide, worth 151 per fm. In the 12 fm. level east of Rowle's winze, on the same lode, the lode is 2½ ft. wide, worth 181 per fm. In the 12 fm. level east of Rowle's winze, on the same lode, the lode is 2½ ft. wide, worth 181 per fm. In the 12 fm. level east of Rowle's winze, on the same lode, the lode is 2½ ft. Thax: July 12.

WEST WHEAL MARIA.—The lode in the eastern engine-shaft is about the state of the lode in the eastern engine-shaft is about the state of the lode in the eastern engine-shaft is about the state of the lode in the eastern engine-shaft is about the state of the lode in the eastern engine-shaft is about the lode in the lode in the eastern engine-shaft is about th

wide, worth 181, per fm. In the 12 fm. level cast of Rowe's winze, on the same lode, the lode is 9 in. wide, worth 41, per fm. In the atit end west of Quarry shaft, on Tolearne tin lode, the lode is 1 ft. wide, worth 101, per fm.—R. Johns; T. Bray: July 12.

WEST WHEAL MARIA.—The lode in the eastern engine-shaft is about 4 ft. wide, the north part of which is producing good stones of ore; the lode in the western engine-shaft is about 25 ft. wide, with spots of ore in places. In the 54 fm. level, east of this shaft, no lode taken down in the past week. In the cross-cut south, in this level, the ground is much the same for driving as it has been for some time past.—T. Rodda: July 13.

WHEAL ADAMS.—The shaftmen are still engaged in timbering the 50 fm level, which work is being accomplished with every possible dispatch. Tonking's stopes, in the bottom of the 40, are worth about 91, per fm.; we have commenced sinking a winze, on the middle branch, in this level—the lode in which is about 2 ft. wide, producing saving work; the end, on the western vein, is reamed driving. The lode in the 28 fm. level, extending south, is 3 ft. wide, consisting of friable quarts, and good stones of lead and antimony—produce, 12 cwis. 2 qrs. 14 lbs. of lead, 2 cwts. 1 qr. 7 lbs. of antimony, and 83 css. 10 dwts. 6 gm. of fine silver in 20 cwts. of the ore; the ground in the cross-cut, in the north end, continues much the same as last reported. A deficiency of air precluded the possibility of continuing to rise in the 18 fm. level; we have, therefore, set to stope the ends on tribute at 7s. in the 11, and immediately the ground is surveyed, and the corn removed from the field, we propose sinking a shaft to effect a communication.—J. Palkes: July 12.

WHEAL ANDERTON.—The lode in the 60 fm. level, east of engine-shaft, is 4 feet wide, 18 ln. is very good work, the tin of superior quality; the other part, I should think, will make at least 5 cwts. of black tin to every 100 (12 gallons) acaks; the lode in the west end in the 60 km level, so

## FOREIGN MINES.

FOREIGN MINES.

ALTEN MINES.—Mining Report from the 3d to the 22d June.—Raipas.—The prospects of this mine continue favourable, and some exploratory workings at the surface have yielded fair returns of ore. Labouchere's and Carr's, although still fluctuating, are equally good, and we have every reason to expect that the quality has improved. The lode in the 10 fm. level has again assumed its regular north-east direction, and has, apparently, become more settled, although the returns are not increased. Preparations have been made for recommencing the stopes in shaft No. 2, but the great quantity of ice collected in this part of the mine still prevents our resuning these workings. We are now repairing the roads from the mine to Bossikop; and in the middle of next month we hope to return the ore on hand, for the purpose of forming the usual mixtures for the smelting-house.

United Mines.—An extensive land slip has, for a few days, put a stop to our operations; the whole of the side of the mountain for about 30 fms. long, and 20 fms. deep, has become loosened by the side of a small lode, and completely filled the whole of the old excavations; a part of the railroad has been crushed which will cost from \$60\$ to \$100 to repair, but this will be the extent of the inconvenience. The prospects are still good, and the stopes continue to make the usual returns.

which will cost from good to 5100 to repair, out this will be the askert of micronvenience. The prospects are still good, and the stopes continue to make the usual returns.

Ryper's.—Our proceedings have still been impeded by the great influx of water in the workings on the new lode, but we hope this inconvenience will be out temporary. Another lode has now been discovered some fathoms further towards the south-east; it is small, but has yielded a small quantity of very

Mancur's has experienced no further deterioration, and the present workings will pay the cost of the mine.

Michell's.—No improvement is as yet to be noted; the shallow adit is still poor, but the tributers are making some fair returns from other parts of the mine.

Cole's.—The thaw has still prevented us from resuming the workings on this lode; but we hope the unusually fine summer weather now set in, will enable

Cole's.—The thaw has still prevented us from resuming the workings on this lode; but we hope the unusually fine summer weather now set in, will enable us to do so in a short time.

Old Mine.—The tributers are making good returns of an improved quality. Wilson's.—The tributers at this mine have also been successful, and have risen some very superior over from a small vein, adjacent to the old workings; the deeper workings are still full of water, which prevents our resuming operations at a lower level.

Carl Johan's has greatly deteriorated—the produce of this lode hitherto has been but trifling: and the present falling off will not affect the general produce. We shall endeavour to stimulate the tributers, to make further trisls on the lode, which, although at present small and poor, is still regular and promising.

At Quancing and the New Lodes, some small returns of ore have been made, without any perceptible alteration in the prospects. The powder-house lode also yields some small but profitable returns.

Ore Dressing.—The machines are now in full work; and the progress made in returning the winter's stock is a new of the state.

-The machines are now in full work; and the prograwinter's stock is, as yet, highly satisfactory.—S. H. P.

BOYAL SANTIAGO MINING COMPANY. ual general meeting of charebolders was held at the offi tings, on Wednesday, the 14th inst.

The BARON DE GOLDSMID in the chair.

Mr. Dockray (the secretary) read the advertisement convening the meet-ing, the minutes of the last meeting, which were confirmed, and the following ctors' rep ort :-

ing, the minutes of the last meeting, which were confirmed, and the following directors' report:—

In the report made at the last meeting, the proprietors were informed that a slide and change of strats had somewhat suddenly and unexpectedly been encountered in the lade in St. Andrew, which changed the aspect of the affairs of the company. The raisings of ore have consequently been limited to the reserves in the mines, from which 899 tons have been sold, and produced self-70851. 3s. 3d., and the remaining 561 tons, which were shipped in May by a vessel called the Saveyta, and daily expected to arrive at Swanses, and taken into account at the estimated net proceeds of 14004, make, with the interest accreased on the capital into on security and other items, as per annexed account, the total receipts 92856, 2s. 6d. The expenditure for the same period, including the law charges incurred in the Sanctuary Ground suit and the income tax, amounts to 8112. 6s. 5d. eleving a profit of 3754. 16s. 1d. The directors have to acquaint the proprietors, that after having duly considered the reports of the managers and mise capitals in the service of the company, they have resolved upon operations for the discovery of ore in three of the perinancian of the greatest promise; and, as about 1695 tons of ore have been obtained from two of them as shallow levels, it justifies the expectation that at a greater depth the lodes may be found of a larger and more require character. An engine-shaft was accordingly commenced in March last, which will be sunk to a proper depth, and, by creating the second of the proper of the company in the company have a considerable. He had been accounted by the condition of the first a fact the work, but the time required for its execution will depend upon the character of the rotough; and esconnically developed. Good progress appears to be making with this work, but the time required for its execution will depend upon the character of the rotough will be company were in specific or and the character of t

Abstract of Bulances—39th June, 1847.

Secret at hankers and Bank of England ...... £43,629 7 5

Screpts
drawn by agent at the mines, and other item
diture to 30th April, for the current half-yes
nt, ending 31st August, 1847
aachinery account. 2,644 9 11 600 0 0-£48,356 17 10 17 10 0 160 0 0 759 0 9

undries at date count (particulars as under), being pro-r ending 28th February, 1847..... 575 16 1-£48,358 17 10

Particulars of Profit and Loss Account for the Half-year expenditure in wages, carriage, export duties, miscellar ding 28th February, 1847. expendituse in wages, carriage, export duties, miss us expenses, law charges income tax for the half-year halance, being profit mut proceeds of 638 tons of one estimated net proceeds of 736 (ditto interest accrued on the imemployed capital, bru incursances, discounts, &c. 7085 3 3 1400 0 0 okerage 803 19 3-£9289 2

peland was re-elected as minously recorded to the chairman and directors, successful animously recorded to the chairman and directors, successful animously recorded to the chairman and directors, and the statement of accounts, presented at the last annual general meeting, reported the issue of shares from 1824 to 1840, both inclusive, was 844,5941, there was observed the issue of shares from 1824 to 1840, both inclusive, was 844,5941, there was observed on loss in 1827, 86,8901, and in 1828, 88,7504.—Intu making the lotal amount sized 978,8641, ont of this sum there has been given the inclusion of a progress of operations at the mines, and of the general results for 1846; and the projects were referred for fuller information to the report and accounts, which would be builted at the annual meeting in June, and which are now anhulted accordingly.

Some actual profit amounts to 866,692 627.—A supersoin, which became necessary, of works in San Eurique, on the Biscaina veia, for the purpose of drainage, in the prost syear, and some minor excidents, occasioned a dimination of nearly 284,000 in this look. The favourable appearances of the mino were such as to justify the expectation salcalist dimination void specify be compensated, when a sudden, though it is to be posed, a temporary, failure took place in that part of a flockan, which searly in April was hund to intorest the lock. There is reason, however, to believe that the check will be at transient; for Capt. Rabling says, in his report, dated 26th April, that "as the Biscaina entities its underlay, with small branches of good ore, we may expect it will improve their passing through the flookan." The deep levels from Dolores shaft, on the Santa Brigida with small branches of good ore, we may expect it will improve the lock its account of the surface of the carga; being less by 5 reals per carga than in 1845, and showing a saving on 5430 args of 53400; and at the same time a more perfect extraction of the silver was obtained. The improvement in the patio amalgamation is, in a great measure, due to the modification introduced by Mr. Bowring. The loss of quicksilver averaged 12.7-10ths oz. per mare of silver, and the loss of silver 16.6-10ths per cent., and 11.6-10ths per cent., with the produce of the p-leillo's included. The difference or saving in the cost of reduction, as compared with the year 1845, is estimated at nearly \$24,000 - recent results are still more favourable. At Sanches Hacienda the barrel process has given uniformly good results, and has been found the more beneficial from the circumstance of the ore reduced being such as cannot be made to yield its silver by the patio process. The new works at Sanchez, comprising in all 32 barrels, are likely to be soon completed: their completion had, indeed, been expected by the directors some time since; but the explanation given by Mr. W. Rule has been that the artizans, whose number is limited, have been frequently engaged upon other works of still more immediate necessity, which were required to meet the casualities incident to all mining concerns where much machinery is employed. A productive decime of the subsequence of the casualities incident to all mining concerns where much machinery is employed. number is limited, have been frequently nediate necessity, which were required to may here much machinery is employed.

Mexico, and be added to the statement in the March report, respectively. It is the apparatus, introduced by Mr. Spangenberg; certain repairs were found necessary to the apparatus, which have caused a temporary suspension of the operations, but these being now compileted; the reduction will proceed as before; meanwhile, Mr. Spangenberg, having gone to Zacatecas, is there engaged in making experiments upon the ores of that district. All these different methods of reduction may probably be advantageously employed, because the ores consist of various classes, each of which seems to require a peculiar kind of treatment for the extraction of the silver. Experience has already done much towards pointing out the most beneficial classification of the ores, with reference to the modes of specting the new process overe found necessary to the operations, but these being

MINING COMPANY OF IRELAND.

The stated half-yearly meeting of this company was held at the company's offices, Lower Ormond-quay, Dublin, on Thursday, the 1st inst.

Sir ROBERT KANE in the chair.

offices, Lower Ormond-quay, Dublin, on Thursday, the 1st inst.

Sir Robert Kare in the chair.

The Secretary (Mr. Purdy), having read the advertisement convening the meeting, proceeded to read the following report, from the board of directors, of the company's operations for the past half-year:

Export:

Various concurrent circumstances have tended to curtail your profits in the half-year; the net amount thereof is 2397, 17s. 9d., exclusive of 1534, 8s. 3d. applied in improvements, with a view to future advantage; and there has been expended in opening Lienacon (Oolliery, 1151, 12s. 3d. The injurious circumstances which have produced this result have been adverted to in previous reports, more especially those for 1843 and 1844, and will be further treated of in the following remarks on the several concerns—

The Knockmahon Copper Misse, County Waterford.—The state of the relations between the proprietor of a considerable part of these misses and the company, as tenants, forms the only obstacle to the more extensive, and consequently the more profitable, working thereof. In the past half-year there has been expended in solur at these mines 41,5022, 17s. 14d., by which 2000 tons of copper ore has been raised, value 11,6937, 10s. 1.

The company has, therefore sustained, loss by these works, amounting to 1071, 17s. 10d., exclusive of interest upon 80,000f., expended in opening the mines and erecting machinery thereous; whilst, in the same period, the proprietors have received tent amounting to 8938, 8s. 4d. for same. This subject is so fully before the committee in the correspondence opened to impection, that it is not considered necessary on the present occasion to state more than that the parties immediately interested as proprietors are now destrous to conserve than that the parties immediately interested as proprietors are now destrous to conserve than that the parties immediately interested as proprietors are now destrous to conserve the subject to some the committee in the correspondence opened to impection,

well as to the erromeosa-system of rating mines for the poee is Ireland, so contrary to the rule in Cornwall, where the actual annual rent paid for the mines is the annual rented for, and the rates are paid by the landlords exclusively whereas, at the company's mines, the valuators have fixed imaginary raines, grounded upon the gross profits from capital employed in eracting machinery, and working the mines. As an instance of the injurious consequence of this erromeose system, the Knockmaine mines were valued for poor rates at 10,000.—and upon notice of appeal, the valuation was reduced to 5000.; which rates would have been payable by the company. Another source of capenas at these mines has been unstantiated, would not exceed 30000, no part of which rates would have been payable by the company. Another source of capenas at these mines has been unstantiated by the company. Another source of capenas at these mines has been sustained by the company of the considerable amount has been sustained by the difficulties cannot now be conjectured; of the considerable amount has been sustained by the difficulties cannot now be conjectured; of the considerable amount has been sustained by the difficulties cannot now be conjectured; until offer to logal remedies shall be provided, your beard considers it to be a permanent duty to protect your funds from further reduction. The mines are new opened upon a very extensive scale, upwards of a mile in length. At Knockmainen Mine the cagine-shaft has been muk 180 fms., and the drifts are in progress at several levels, easterly under the ocean, and westerly inland. In Kilduanne the engine-shaft is driven illofms, and drifts are in like manner in constant progress; and, in Ballinasial Mine, the shaft is sunk 30 fms., with similar levels in progress, whilst searches are continued at the surface in advance of the regular workings. In Bommahon Mine, also, the level commenced at the cliff has been confidency working in the proper search of the productive season of the productive of the

cut in the level, which leads to the expectation that a workable seam may be found somer than was expected.

Languaure Lead Mines, County Wickson—It will be observed, in the abstract of accounts, that the produce of Luganure Mines has not only covered the expense incurred by divring that the produce of Luganure Mines has not only covered the expense incurred by divring that the produce of Luganure Mines has not only covered the expense incurred by divring discovered, but has also yielded some profit in addition to affording profitable employment for your smelling and rolling mild department.

Bullpowns Leoid-Works, County Dublia.—The returns from the company's lead-works are considered to be satisfactory, the limited amount of work red Cut and the William of the County is not, however, the petitioning creditor, and has not charge of the decree. The county is not, however, the petitioning creditor, and has not charge of the decree. The county is not, however, the petitioning creditor, and has not charge of the decree. The county is not, however, the petitioning creditor, and has not charge of the decree. The county is not, however, the petitioning creditor, and has not charge of the decree. The county of county of the company of the county of

Mesers. T. Berry, J. Emis, and W. Hopkins, were appointed auditors.—The meeting then separated.—Irish Railway Goszite.

WHEAL ARVOSE.—A meeting of adventurers was held at the mine, on Monday, the 5th inst., when the accounts—showing balance in favour of the mine of 271. 12s. 2d.—were examined and passed. It was resolved, that the mine be resumed; that a call of 10s. per share be made, and immediate steps taken for recovering arrears; the agent's salary to be 22s, per month, for superintending working operations; and a committee's secretary be appointed at 21s. per month.

WHEAL COLLEGE.—A general meeting of adventurers was held at the Guild-hall, Taylstock, on Tuesday, July 6,—John PHILLIPS, Esq., in the chair—The accounts having been examined, were found correct, and a call of 5s. per share made, for the further prosecution of the mine. The following shares were forfeited to the company; —J. Chimmo, 10; J. Mayjor, 2; Sarah Creber, 1; William Jenkins, 4; Sarah Ashwick, 10; and William Criper, 3. Each of the parties whose shares have been forfeited, are to be sued at law, through a creditor of the company, for his or her arrears. The following report from the manager, Mr. John Paull, was read to the meeting:—"During the last three months, our progress has been rather slow; nevertheless, the nine, has shown several indications of increasing value, particularly during the last month. In extending the Huckworthy adit west, a change of ground took place, and we almost immediately afterwards discovered much more copper ore, of good quality, in the lode; indeed, great rocks of orey stuff have been broken, and may be seen at the mine; and though it is not a solid course of ore, yet the character of the lode is such as to indicate our near approach to something very good. We are saving the lode, and hope soon to have a small parcel to dress for market."

Great Hewas Corsona.—At a two-monthly mosting, held on the min Tuesday, the 22d alt., the accounts were axamined and passed; from whi it appeared, that the labour cost for wages, carriage, &c., was 459d 13a & merchants' bills, 702d. 3s. 1d.; purchase of engine, 1050d.—making a total e-penditure of 2211d. 16a. 5d.—A call of 7d. 10s. per share was made, which, withe 5d. call, in January last, makes 12d. 10s. per share was made, which, withe 5d. call, in January last, makes 12d. 10s. per share to this time.—The & lowing letter, from Mr. R. Pearce, the purser, was read to the meeting:—"T agent's report was naturally a very long one, as it embraced an account of, the proceedings from the commencement, showing the state in which the minds been left by our predecessors 25 years ago; the damage done by the paties who had been continuously working above the adit level up to the time our taking possession; the workstone by ourselves in clearing the deep adit fectually, for more than 400 fms, and the shallow adit from its tail up to be engine-shaft itself for 150 fms; timbering and putting in good repair Stanley Wearne's, Pool's, castern, Strawberry, Northey's, corner, and engine-shaft with Vivian's in progress; the engine and corner shafts cased and divided dot to the adit level, with everything ready for the planger-head in the engine shaft. A new shaft, sunk in a distant part of the sett, on a very productive it ided; a substartial engine-house with counting-house, with material room tached; carpenters' shop and amithy erected; the boiler-house in hand, shee capstan, &c., in place; an excellent 66-in: engine, with three boilers, four soft water-stamps, with a horse-whim, and all necessary smiths' tools and uterials, with crab and other winches, whim and tackle ropes, &c., &c., pechased. It is expected, that barring accidents, the engine will be at wo and the water forked to the 36 fathom level, before the end of October; the yorss-cutting from Northey to Strawberry shaft, to intersect Hewas a other lode, which is known GREAT HEWAS COM -At a two

eyery respect warranting a spirited prosecution by the adventurers."

GHEAT ROUGH TOR CONSOIS.—A meeting of shareholders was held at the offices, Threadneedle-street, on Menday, the 12th inst.,—W. A. THOMAS, Esq., in the chair.—The CHAIRMAN explained the object of the meeting, being that of passing the accounts for the past two months, and making a call to meet that expenditure, as well as the future operations. He stated that the engine-house, buildings, and other necessary erections on the sett, were progressing in a most expeditious and satisfactory manner; and he had no doubt that, at the next meeting, the captain's report would be of a far more pleasing and gratifying character.—The accounts having been examined and passed, it was resolved, that a call of 3l. per share be now made, to be paid on or before August 5.

KIRKGUDBERGRISHIER.—At a two-monthly meeting of adventurers on the

next meeting, the captain's report would be of a far more pleasing and gratifying character.—The accounts having been examined and passed, it was resolved, that a call of 3L per share be now made, to be paid on or before August 5.

Kirkcudbrightshirk.—At a two-monthly meeting of adventurers, on the 10th inst., the accounts, which were examined and passed, showed balance in favour at last meeting, 44L 6s. 8d.; call, made May 7th, 413L 10s.; lead ores sold, 558R 8s. 1d.=1016L 4s. 9d.—By costs for May and June, 1335L 18s. 7d.; leaving a balance against the mine of 319L 13s. 10d.—The following report of Capt. Buzzo was read to the meeting:—"At bottom of Stewart's shaft.—viz.; 40 fm. level—we have cut ground necessary for the waggor road, to hang a tackle and cistern plot, fixed a 10 fm. drawing lift, put in the railroad, and are now in course of fixing a penthouse to resume sinking this shaft. From the character of the ground here, we expect to see this shaft sunk to the 60 fm. level in about 10 to 12 weeks. The 40 fm. level has been driven west 8 fms. 3ft. in a very promising lode, though not rich, worth now 5t. to 6L per fm.—there are objects of great promise before us in this end, according to what we have seen going down in sole of the 30 fm. level, the junction of the caunter with the main lode, some 15 fms. before the end, in particular. The 30 fm. level has been driven west 34 fms. 4 ft., principally in good lead ground; this end is poor at present, and we expect, from the dip of our ore ground in the level above, that we have some 4 or 5 fathoms more to drive, before we take the run of ore ground gone down in the sole of the 20 fm. level. The 30 fm. level east has been driven 30 fms. from shaft, the last 20 of which is poor; and, for other reasons, we have though best to suspend this awhile; this level, eastward on the caunter, has been driven 13 fms. 2 ft. 6 in , the first 7 or 8 fms. from the main lode in good lead ground, but the remainder rather poor; the men driving this end are just now removed to sin

M MIRAL CONCORD.—A meeting of adventurers was held at the mine, on Monday, the 5th inst., when it was resolved, that the engine, mine, and materials be sold, either together or separately, for the purpose of discharging the liabilities due by the mine.

GREAT WHEAL MARTHA.—A correspondent has favoured us with the following report on this mine by Capt. James Seccombe, of the Marke Valley:—Great Wheal Martha Mine, Jul 6.—At the western part of this mine an engine-shaft has been sunk to the depth of 90 fms. below the adit, 80 fms. of which was sunk on the course, or underlay, of the lode. The adit has been driven west of this shaft 25 fms. on the course of this lode, which is from 2 ft. to 4 ft. wide, composed of gossan, capel, and mundic, with a small quantity of copper ore—the indications in the end are not so promising as they were near the shaft; the adit has been driven east 12 fms., the lode in this direction is from 4 ft. to 5 ft. wide, and much of the same character. The 10 fm. level has been driven west 27 fms., and the lode is from 2 to 5 ft. wide, containing capel, quartz, mundic, with a little copper ore; this level has been driven east 48 fms., the lode or varying in size from 2 to 6 ft. wide, much the same character as west. The 20 fm. level has been driven west 25 fms. by the side of the lode, which is cut through various places and found to be from 10 to 12 ft. wide, the greater portion capel and mundic. The 30 fm. level has been driven seat 28 fms. by the side of the lode, which is cut through various places and found to lea from 10 to 12 ft. wide, the greater portion capel and mundic. The 30 fm. level has been driven was 96 fms. is about 3 ft. wide, chiefly capel and mundic; a cross-cut has been driven to intersect the north part, which is found to be 6 ft. wide, composed of capel, mundic, and ore; some part of the lode has been found sufficiently productive to pay for stoping. The 50 fm. level has been driven was 50 fms., and the lode is from 2 to 5 ft. wide, the greater portion capel, mundic, q

THE VIRTUE OF HOLLOWAY'S OINTMENT AND PILLS HIGHLY ESTERMED THROUGHOUT INDIA.—The Editor of the Benares Recorder publishes the following extraordinary cure:—"Hearth Lull, a cloth merchant, reading as Nagpore, had suffered for more than 18 months with dreadful ulcerous sores all over his legs and body, totally disabing him from business; he had expended large sums in medicine from the Rukeems, without relief, when an European gentieman, who had proved the efficacy of Holloway's ointment and pills, recommended their use—which advice he followed; and, in the course of 30 days, he was perfectly restored to health from a disease which had krought him to death's door. Sold by all druggists, and at Professer Holloway's establishment, 190, 344, Strand, London.

COST-BOOK SYSTEM—OPTION TO RESIGN SHARES.

Sin.—We should be much obliged, if any of your correspondents, who may be well acquainted with the subject, would answer the following question, both for our guidance, and the satisfaction of our clients.

Providing that any adventurer, or shareholder, in any mine is dissatisfied with the administration of the affairs of the mine, and he, after having given due notice to the purser and secretary in writing, that he wishes to resign his shares—those shares having had all calls on them paid up—is he, in any way, subject to fature liability; or can he be called upon, at any future time, for any debts incurred on account of the same, prior, or succeeding to, his resignation of the shares—Deliver and Co.: Coggestall, Essex, July 14.

[In all agreements to conduct a mine on the Cost-book System, it is expressly provided, that any adventurer or shareholder is at liberty to resign his shares, on paying all calls due thereon—his responsibility being then limited to a share of existing liabilities; and he is entitled to his fair and equitable proportion of the estimated value of the assets of the company. He may, on such resignation, require the purser to cancel his name in the cost-book, as relating to such shares, and he is then certainly not liable for any debts subsequently incurred by the company.]

GREAT WHEAL MARTHA.—In another column of this day's Journal will be

reating to such shares, and he is then certainly not hable for any dects solveguestly incurred by the company.)

GREAT WHEAL MARTHA.—In another column of this day's Journal will be
found a report on this mine by Capt. James Seccombe. It is unfortunate, that
on that gentleman's visit to inspect the mine, he should have found the most
important levels filled with water, which prevented him from giving his opinion on what were the most important parts of this consern. It is somewhat
satisfactory, however, that so far as he has been able to see the lode in the
different levels, he should be of opinion that productive ground will be met
with, when the lode is laid open to a greater depth. We have heard so many
conflicting accounts of the prespects of this undertaking, that it is pleasing
to receive almost anything of an encouraging nature, when our authority can
be relied upon. The abilities and success of Capt. Seccombe, as a miner, are,
no doubt, so well known to many of our readers, that it is at present unnecessary for us to say anything in their favour; and we hope the directors of the
Wheal Martha will not lose sight of the suggestions contained in his report,
although it was not obtained by their directions. We refer particularly to the
50 and 60 fm. levels in the old mine, which Capt. Seccombe considers deserve
a further trial being given; and to the conclusion of his report, where he says,
and would recommend, "that the sinking of the new engine-shaft be resumed
as soon as possible, and sunk to a 60 fm. level (now at 53), at which depth, I
believe, good returns would be made." We hope Capt. Seccombe will be prevalied upon to inspect the levels in the new mine, and also those below the 60
in the old, whenever the state of water will permit.

The Cyclore Works, Sherffield.—His Imperial Highness the Grand
Duke Constanting of Research

believe, good returns would be maile." We hope Capt. Secombe will be prevailed upon to inspect the levels in the new mine, and also those below the 60 in the old, whenever the state of water will permit.

THE CYCLOPS WORKS, SHEFFIELD.—His Imperial Highness the Grand Duke Constantine of Russia, during his late tour, paid a visit to the extensive works of Mesers. Johnson, Cammell, and Co., situated on the Sheffield branch of the Midland Railway, and known as the Cyclops Works, the celebrity of which is well known in Russia, and which his Imperial Highness was particularly desirons of visiting. In fact, the reputation of this eminent house, in the Russian dominions, may be judged of from the circumstance that the springs of the imperial carriage of Nicholas were manufactured at this establishment, and that the proprietors are large contractors for the Petersburgh and Moscow Railway. At these works, the Grand Duke and his attendants spent two hours, his Imperial Highness, and those more immediately connected with his suite, repeatedly expressing their high gratification with the several processes of manufacture exhibited to their inspection, and the general arrangements of the works, especially as it regarded the comfort of the workmen. A superblunch was prepared by the proprietors; but the august visitors, from the limited time at their command, were not able to de that justice to the liberality of their hosts which they could have deared. The Grand Duke expressed, in the most cordial manner, to Mesers. Johnson, Cammell, and Co., his acknowledgments for the attention shown him and his suite on the occasion. Throughout, the visit of his Imperial Highness was characterised by genuine affability and frankness, combined with the dignity becoming his exalted rank.

WHEAL TRESCALL TIN MINE.—This sett is situate in the parish of Luxilion, in the county of Cornwall, seven miles from St. Austell, and four from Bodmin, comprising the Trescall estate, and the adjoining moors. The low grounds have been from time immemorial st

## MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

CONDUCTION.—In the 50 fm. level, there is a branch of ore 8 in. solid.

CONDURROW.—In the 50 fm. level, there is a branch of ore 8 in. solid.

Herodsfoot.—I have made an especial visit to this mine, for the purpose of furnishing you with the latest and most correct information that could be obtained. I have delayed writing a few posts, anticipating that they would have intersected the lode at the 82 fm. level; but I find they have experienced some considerable delay, in consequence of their having to timber the cross-cut, and the great influx of water also impeding their progress. In the 72 fm. level south they have now the best end they ever had, which is several fathoms beyond the poor end in the 62 fm. level above, which is obvious that they improve in length as well as in breadth; the lode is 2½ ft. wide, and really rich, from the work I have seen. From the men just come up from underground, I find they are come to the capel of the lode—therefore, it will not be long before they will see its value. On Thursday last they sampled 75 tons of silver-lead ore, being about 45 tons of the best work and 30 tons of the inferior.

— We are daily expecting to cut the lode in the 82 fm. level. The 72 south still continues good, worth from 141 to 161 per fm.; this end is now 4 fathoms beyond the 62, which was stopped some time since. The two north ends of the 62 and 70 are both looking well.

HEROGECOMBE.—The masons have nearly completed the engine-house, which

the 62 at 70 are both looking well.

Herodecombe.—The masons have nearly completed the engine-house, which by their contract was to have been finished this week to receive the engine, which is on the spot, and the crusher will be ready next week, in accordance with the contract. They have on the floors from 12 to 14 tons of ore dressed, and they are putting aside large quantities for the crusher, as bucking is an expensive operation. I should think, from the size of the pile, that they will have from 30 to 40 tons of lead ores for sale shortly after the crusher goes to work. They have driven between 50 and 60 fms. of ore ground at the adit level, and the lode is looking well, going to hill; the south end has been poor, but it is now a good crey lode. The new engine-shaft is down about 10 fms. under the adit, and they will continue to sink with a water barrel during the present dry season; the killas is of a beautiful blue kind. They do not contaminate cutting the lode until their engine goes to work; this I should consider a very prudent step, for they will undoubtedly have a quantity of water. In sending you these remarks, made on the spot, I should consider it a gross omission were I not to state that I have received every assistance from the agents, whose readiness to farnish information is highly creditable; and I am satisfied that both mines are conducted with the strictest economy, whilst zeal and alulity are pleasingly manifest.

INCRUSTATIONS IN STEAM-BOILEES.—On this important subject we are in-

and ability are pleasingly manifest.

INCRUSTATIONS IN STRAM-BOILERS.—On this important subject we are indebted to a friend, for the following statement of his method of removing the incrustations, in the case of fresh water being used: we expect something equally simple will effect the like good in salt water boilers:—"Having mentioned to you a remedy for clearing steam-boilers which are encrusted with a thick coat of shale, from the effect of using hard water, strongly impregnated with lime, I now give you particulars how I used to treat the one I had in use for many years. On a Saturday evening the fire was taken from under the boiler, the lid of the man hole was taken off, and the water in the boiler left to cool for an hour. Afterwards a large hand-bowl full of alam was thrown in with the hand all round the edges of the boiler; it was then left until the water was nearly cold, and all the crust or shale deposited at the bottom, which was then resmoved, when the plug-hole was open to let off the water.—Licropol Mercury.

CHARING-CHOSS BRIDGE COMPANY.—A special meeting of shareholders was held at the offices, Villiers-street, on Monday last, when it appeared that the company having, through the opposition of two or three shareholders, failed in obtaining their bill for the sale of the bridge, had forfeited 10,000. to Messra Jacknow, Reed, Waimsley, and Fuller; these gentlemen had agreed to take 9006£, and it was resolved to raise 20,000ℓ. by new shares, and that a committee be appointed to examine the accounts.—The meeting was a stormy one and law proceedings are threatened.

NEW PATENTS.

## NEW PATENTS.

R. W. Sievier, Henrie ta-struct, Cavendish-equars, for an improved material or materials for parifying or decelerating holdes, which material may also be employed as manuse and pigments, and for other like purposes.

W. E. Newton, Chancery-lame, for certain improvements in the manufacture of screws.

W. L. Beal, Whitelable, Kent, for improvements in the construction of anchors.

A. V. Kewton, Chancery-lame, for certain inprovements applicable to becometive engines and carriages employed on railways. (Being a communication.)

8. Scokes, Monkwell-struct, for an improved massions for tracing or engraving from
melid bedies, or subjects in relief.—Mechanica Magazine.

MINING ADVENTURERS' SUBSCRIPTION ROOM,
28, THERADNEEDLE-STREET, LONDON.
The ANNUAL SUBSCRIPTION to be OME GUINEA, which will entitle the subscriber to the daily use of the room, of the mining periodicals, and to the depositing and explicition of the daily use of the room, of the mining periodicals, and to the depositing and explicition of the daily use of the room, of the mining periodicals, and to the depositing and explicit of the daily use of the room, of the mining periodicals, and to the depositing and explicit of the company, in Princes-street, Manaton-house, on Thursday, the 16th July, 1847.

JOHN C. JOCHERE, Esq., Chairman.
GEORGE HOLGATE FOSTER, Esq., Deputy-Chairman.
GEORGE HOLGATE FOSTER, Esq., Deputy-Chairman.
It is intended, should this Subscription Room receive the support and patronage of an excellent.

BY Felix Booth, Bart.

Right Hon. Sir George Carroll, Lord Mayor

Sir John M'Taggart, Bart., M.P.

It is intended, should this Suscerption account receive use sup-venturers generally, to obtain more ample accommendation for o in every respect commensurate with the impartant interest the attempt to associate with mining adventurers such scientific parties as may be desirons to cultivate or extend a knowledge of this minitional wealth, by affording the practical miner and the geolog tunities of communication and association.—March, 1847. ed; and to

The board of directors hereby give Notice, that, agreeably to the provisions of the Deed Settlement, the SECOND ANNUAL GENERAL MEETING of the shareholders in this Settlement, the SECOND ANNUAL GENERAL MEETING of the shareholders in this unpany will be HELD as this office on Monday, the 26th day of July inst, at Twelve-c'elock recisely, to receive and sudit report, accounts, and balance-sheet for the past year; to cit three directors, in lieu of three who go out by rotation, and to consider the propriety filling up the vacancy occasioned by the resignation of Sir Hyde Parker, Barones; and fax the remuneration of the present auditors for the past year.

July 10, 1847. By order of the board, G. E. HODGKINSON, Sec.

STURIAN MINING COMPANY.—Notice is hereby given, that the following SHARES upon which the CALLS, due on the 6th of April last, NOT been PAID, will be FORFETTED, and SOLD for the benefit of the company, as the call, with interest: he paid on or before the 31st inst.

No. 385	Nos. 4971 to 4980 inclusive
Nos. 571 to 625 inclusive	" 6461 to 6470 "
" 646 to 650 "	" 6811 to 6815 "
801 to 805 "	" 7211 to 7275 "
, 1436 to 1470 , 1621 to 1660	,, 7556 to 7595 ,,
9000 4- 9004	9696 to 9630
,, 3591 to 3600 ,,	9041 to 9045
4, 3636 to 3660 ,	, 8656 to 8660
" 3841 to 3945 "	" 8666 to 8675 "
,, 3866 to 3885 "	,, 8686 to 8700 ,,
" 4261 to 4265 "	" 8706 to 8710 "
" 4271 to 4280 "	" 8756 to 8760 "
,, 4751 to 4765	, 8621 to 8850 ,, 11191 to 11200
10 4330 E0 4240 at	20 11191 10 11200 44

Nos. 11866 to 11890 inclusiv By order of the board, Offices of the company, 9, Austinfriars, July 16, 1847. K. MACKENZIE, Secretary.

EORGIA TIN MINES, divided into 2048 shares, and worked ON THE COST-BOOK SYSTEM.

The necessary arrangements having been made for carrying out the operations of the company, all future communications are requested to be addressed to the offices of the company, 21, THROGMORTON-STREET, LONDON, where the specimens and planwith the correspondence, may be seen.

MERIONETHSHIRE SLATE & SLATE SLAB COMPANY. PARTIONE I HISHINE SLATE & SLATE SLAB COMPANY.

—Notice is hereby given, that the directors have made a Call to TEN SHILLINGS per share, upon each and every share in this undertaking, and the shareholders are requested to PAY the same into the Commercial Bank of London, on or before the 28th day of July inst. Interest, after the rate of 5 per cent., will be charged upon all calls not paid on the above day.

And Notice is hereby also given, that, in case default is made in payment of the above-mentioned call for a period of two calendar months, from the said 28th day of July inst., the shares in respect of which such default is made are liable to forfoiture.

By order of the board,

Company's Offices, 5, Walbrook, London, July 12, 1847.

STEAM TO INDIA VIA EGYPT, MALTA, ITALY,
ALEXANDRIA, AND THE PENINSULÁR PORTS.
PASSAGE TO BOMBAY, MADRAS, AND CALCUTTA.
The Peninsular and Oriental Steam Navigation Company BOOK PASSENGERS for CEYLON, MADRAS, and CALCUTTA direct, by steamers leaving Southampton on the 20th, and for Alexandria, as route to Bombay, on the let of eyery month.
A steamer from Southampton leaves the let and 20th of every month for Malta, whene are steamers to Naples, Genca, Civeta Vecchis, three times a month.
STEAM TO CORUNNA, OPORTO, VIGO, LISBON, CADIZ, AND GIBRALTAR.
A steamer leaves Southampton on the 7th, 17th, and 27th of every month.
Apply at the Peninsular and Oriental Steam Navigation Company's offices, 51, St. Mary Axe, London, where only passages can be secured throughout.

Apply at the Peninsular and Oriental Steam Navigation Company's offices, 51, St. Mary Aze, London, where only passages can be secured throughout.

RAILWAY-CARRIAGE BREAKS.

The startling frequency of railway accidents of late has, at least, had one good effect—namely, in directing the minds of engineers and practical-men to the means which the resources of mechanics have provided for the prevention of casualties involving, in the snjority of instances, the deaths of many human beings. The people in power, "our own" engineers on the different lines, with the usual apathy of those who have nothing to gain by further activity, have rested content with what has already been done; and, when an accident does occur, they refer for a cause to the frailty of the servants of the company, and refuse to admit that their own sagacity had neglected any possible precaution. The public, however—the party most interested—are still desirous of obtaining the nitmost possible security out of wood and iron; and, as a consequence, many gentlemen known to fisme, though not personally acquainted with any of the railway monarch, have been recently busy in maturing inventions, or supposed inventions, by which they hope to obviate, in a greater degree than already accomplished, the risks of steam locomotion. The accident at Wolverton, on the North-Western line, resulted, no doubt, from the error of the policeman stationed at the points; but the evidence detailed at the inquest showed also, that had the break-power on the train been adequate to its length and weight, a stoppage might easily have been effected within the 400 yards—the distance between the entrance to the siding, where the danger was first detected, and the waggons with which the train came into collision. The guards and the engine-driver did all they could with the breaks, but the breaks could do very little. A correspondent of the Times, some time ago, pointed out the necessity of three or four—or say a dozen—breake could be at once applied, would be most beneficial, and

tion at the meeting of the Institution of Mechanical Engineers, at Birmingham, a report of which appeared in the Mining Joshnal on the 2d and 29th May last.]

MANCHESTER AND SOUTHAMFTON RAILWAY—INFORTANT DECISION.—At the Judge's Chambers, on Monday last, Mr. BULLER, in opening the case Freebody and another r. James Walkinshaw, said, that this was an action of assumptic brought by the plaintiffs against Mr. James Walkinshaw, as chairman of the Manchester and Southampton Railway, for the sum of 11,000L, for work and labour done in surveying the above line. The defendant had pleaded "never indebted." Issue was joined on the 20th of June. On the 2d of July the defendant had a conference with his legal advisers, when it was discovered that a material witness, named John England, ought to be called, and that the defendant could not safely go to trial without him. Several applications had been made to the offices of Messre. Bidder and Stephenson, the engineers to the line, in whose service the said John England was then employed; but, from information then obtained, it appeared that he was tresent engaged in making surveys for a line of railway in Korway, and that he was not expected to return home until the end of the autumn. He (Mr. Buller) complained that the particulars had not been furnished earlier than the 3d of June; and he further said, that the present defendants were entitled to large damages from the plaintiff for negligence in making the surveys, which prevented the Standing Orders from being complied with. A cross action had already been brought by the present plaintiffs, but the particular had not been furnished earlier than the 3d of June; and he further said, that the cause might be postponed—It having been set down for trial at Croydon during the present assizes, in consequence of the absence of the 'aid John England, he being a material and necessary witness in the case.—Mr. Hodson being been served with notice of trial on the lat of June, and this applications not being made audit the 5th of July;

GEORGE HOLGATE FOSTER, Esq., Chairman.

Sir Felix Booth, Bart.
Right Hon. Sir George Carroll, Lord Mayor
William Miller Christy, Esq.
William Curling, Esq.
Robert Farrand, Esq.
George Holgate Foster, Esq.
William Crambly Gore, Esq., M.P.
Sir Richard Jenkins, G.C.B.
Archibald Hastie, Esq., M.P.
William J. Lancaster, Esq.
The Managem—George Follard, Esq.
George Solicitons—Messrs. Tilson, Squance, Clarke, and Morice.
The following report was presented:
The directors have the pleasure of presenting the accounts of the bank ft half-year, and of informing the shareholders that the net profit for that perio to £34,663 is. 6d.
In pursuance of the determination expressed in their last report, the director propriated £18,000 for the payment of the usual dividend, after the rate of 6 pannum, carrying forward the sum of £16,663 is. 6d. as undivided profit, to 1 of at the conclusion of the year.
The dividend will be payable on and after Friday, the 93d July inst.
The preceding report having been read to the meeting by the secretary, a declared by the chapter.
Resolved unanimously—That the report now read be received, and that it for the use of the shareholders. John C. Lochner, Eaq. Sir John M'Taggart, Bart., M.P. George Meek, Eaq. William Mitcalie, Eaq. Ambrose Moore, Eaq. John Timothy Oxley, Eaq. George Scholefield, Eaq.

the nair-year, ending me some same asse, are the rate of per characteristic declared by the chairman. Resolved unanimously,—That the report now read be received, and that it be printed for the use of the shareholders.

Resolved unanimously,—That the thanks of this meeting be presented to the chairman and directors, for the very able manner in which the affairs of the bank have been conducted by them, and for the satisfactory accounts which they have this day rendered.

Resolved unanimously,—That the thanks of this neceting be given to George Follard, Esq., for his able and unremitting exertions as manager of this bunk.

(Signed) JOHN C. LOCHNER, Chairman.

(Extracted from the minutes.) (Signed) F. HEWATT, Secretary.

# FIGHTH REPORT OF THE UNION BANK OF LONDON

Sir PETER LAURIE, Alderman, Governor, in the chair.
ANDREW SPOTTISWOODE, Esq., Deputy-Governor.

W. M. Nurse, Esq.

And 99 proprietors.

At a General Meeting of the proprietors, held at the Court-room of the Banking-house, on Wednesday, the 14th of July, 1847, the following report was read by the Secretary:—

The directors have much pleasure in submitting the eighth annual report of the affair of the bank to the proprietors, and congratulating them on the result of the business duris the last year, a period marked by unusual commercial pressure.

It will be seen from the accounts now presented, that the net profits of the year amount of 247,598 16s. 7d. Ample provision has been made for bad debts, and the proprietor

The directors have much pleasure in submitting the eighth annual report of the affairs of the bank to the proprietors, and congrasulating them on the result of the business during the last year, a period marked by unusual commercial pressure.

It will be seen from the accounts now presented, that the net profits of the year smount to £47,598 [56, 76]. Ample provision has been made for bad dobts, an at the proprietors will observe that £25,149 is. 10d. has been paid to customers for interest on their current and deposit accounts.

The directors consider that they are justified by this prosperous result in increasing the rate of dividend; and they have, therefore, declared a dividend, for the last six months, of 3½ per cent, which, with ½ per cent, paid in January, will make the dividend 6 per cent,, clear of income tax, for the whole year. The directors have the fullest confidence that this rate will be permanent, without either trenching on the reserved fund, or affecting those principles on which the bank was originally founded.

After providing for the dividend (now amounting to £25,374 for the year), and appropriating £500 as usual in gradual liquidation of the preliminary expenses, there remains a surplus profit of £21,724 fee. 7d., of which £16,596 is. 3d. has been carried to the reserved fund, now amounting to £40,000 sterling, invested in dovernment securities, and the balance of £5028 11s. 2d. has been carried to profit and loss now account.

The directors have considered the subject of the appropriation of the reserved shares, and have resolved that they shall be offered in the first instance to the shareholders only, in rateable proportion to the shares held by them, and on such terms as shall be equivalent to a liberal bonus; and the properietors may rely on the directors giving ample notice of, and selecting such a period 57c, this appropriation, as shall be most desirable for the interests of the bank, and selvantageous to the properietors individually.

In accordance with the provisions of the Dee

57,741 11 12,500 0 10,572 10

£25,374 0 0 16,696 5 5 500 0 0 5,028 11 2

I O N B A N K O F L O N D O N .

Capital £3,000,000, in shares of £50 each.
DIRECTORS.

Sir PETER LAURIE, Alderman, Governor.
ANDREW SPOTTISWOODE, Esq., Deputy-Governor.
ge Webster, £sq.
Barnes, £sq.
Barnes, £sq.
Sutherland, £sq.
John Connell, £sq.
William Morley, £sq.
William Morley, £sq.
William Horley, £sq.

John Chapman, Esq.

FRINCIPAL OFFICE, 2, PRINCES-STREET, MANNON-BOURE,
William Wilson Seringcour, General Manager.

BEOEST-STREET SHARE SHARE OFFICE, A POLLE-FLACE,
Henry T. Clack, Manager,
CHARING-CROSS BRANCH OFFICE, 4, PALL-MALL RAFF.
Alexander Wight, Manager.

SECRETARY—Walter Laurie.

The capital of the bank is £3,006,000 sterling, in £60,000 shares of £50 each, 42,290 of these shares (on each of which £10 has been paid, making the paid up capital £422,900), are held by nearly £600 proprietors, whose names are published periodically.

TERMS.

these shares (on each of which £10 has been paid, making the past appearant are held by nearly 600 proprietors, whose names are published periodically.

\*\*TERMS.\*\*

\*\*CURREY ACOUSTS.\*\*—Parties keeping current or drawing accounts will be credited on the first day of every month with a month's interest, at the rate of 2 per cent, per annual, on the smallest balance at the credit of their account at the close of business on any day during the past month, provided that such balance shall not be less than £100. The itsial amount of interest will be passed to account every six months.

\*\*Deposity Accounts.\*\*—The rate of interest at present allowed on money placed on deposit at 10 days notice, is £4 per cent, but which will rise or fall, provide, with the Bank of England rate of discount for first-class bills, which is now 5 per cent. Sume under £150 may be withdrawn without notice. Receipts for the sums sodeposited will be granted to the parties; or, for the convenience of depositors going abread, bills or promissory notes, including interest till maturity, will be issued.

\*\*GENERAL BUSINESS\*\*

The agency of country and foreign banks, whether joint-stock or private. Circular notes and letters of credit issued for all parts of the convinent of Europs, and elsewhere.

Purchases and sales effected in all the British and foreign stocks and scourities, and the dividends received without charge.

The half-pay, &c., of officers, being customers, also received without charge.

W. W. SCRIMGEOUR, General Manager.

Tanfi End . 18 6-Cowp WH Harth Hotsp Bradd sell's Durbs FR Hasti West 17 3-

# Current Prices of Stocks, Shares, & Metals.

STOCK EXCHANGE, Se Bank Stock, 7 per Cent., 195 64
3 per Cent. Reduced Ann., 195 6
5 per Cent. Consols Ann., 69 6
5 per Cent. Annaties, 86
3 per Cent. Annaties, 86
13 per Cent. Annaties, 98
1 India Stock, 10 per Cent., 246
5 per Cent. Consols for Opening, 88 1 6
Exchequer Bills, 10001. 3d., 12 9 13 pm. Handis, Scaurous morniss, Lecos.
Belgian Bonds, 44 per Cent., —
Dutch, 24 per Cent., 574
Brasilian, 5 per Cents., 534 4
Chilian, 6 per Cents., 524 2
Mexican, 5 per Cents., 524
Spanish, 5 per Cents., 22
Disto 3 per Cents., 31
Portuguese, 4 per Cents., 31
Russian, 5 per Cents., 31

MINES.—The business transacted during the week has not been of an extensive nature—still that which has been done appears to have given a tone of firmness to the market. Several purchases have been made, in

tone of firmness to the market. Several purchases have been made, in which the buyers have advanced to prices previously rejected. We, therefore, consider, from what has been done, and negotiations still pending, that the mining share market is decidedly improving.

North Roskear meeting was beld on Monday last, when a dividend of 100, per 70th share was declared. The mine is represented as looking very well, with a prospect of an increased dividend at next account.

The business done appears to have been principally in the following mines—viz.: Trelawney, Trehame, Mary Ann, Herodsfoot, Plymouth Wheal Ycoland, Franco, Devon and Courtenay, Exmoor Wheal Eliza, Stray Parks, Treleigh Consols, Treviskey and Barrier, Dartmoor Consols, East Crowndale, West Wheal Treasury, Fortescue, East Wheal Rose, Callington, Gwinear Consols, Ryalton, West Providence, &c. &c.

Gwinear Consols have been done since our last at present quotations, and in some instances higher, as we are informed. Pennants have been done at little above par; but as the transaction was a "private" one, we do not take the price as a fair quotation.

A large number of Dartmoor Consols was purchased yest crday, at a lower figure than at present quoted.

At a merchant's counting-house in Fenchurch-street, we have seen some extraordinary and beautiful stones of copper ore, stated to have been brought from the south part of North America; but as the arrangements for the property have not yet been completed, we do not feel justified in stating more until then, when we shall be happy to furnish particulars from this grand deposit of copper ores.

RAILWAYS.—The railway market opened at the beginning of the week, and continuous orders for sales, even at reduced prices, kept arriving from the provinces. Wednesday was settling day, which passed off without anything remarkable, except that money was in demand; but towards the close of the week, things had evidently improved, and business was transacted with greater confidence.

MARTINGS.—BIRMINGHAM AND LHICESTED: to wind up; the expenses had been 26,2001., and receipts 9,3314.; It per share had been returned: making 24,7154., and is, per share more would take the balance remaining of 14114.—Paris and Rouen: a meeting of Liverpool shareholders, to meet Mr. Reed on subject of altering the laws regulating the sinking fund; 14,4004. was now set apart as a sinking fund, which would clear the capital debt in 49 years; it was now proposed to lay 9,8004. apar only, which would clear it off in 99 years, the time of the concession, and thus fairly spread it over the whole period, and relieve the present generation from payment of the whole.

At Messrs. Lamond's sale, on Wednesday, the market was slightly improved, as compared with transactions of the previous week.

HULL, THURSDAY.—The gloom which hung over the share market during the last week, has, during the present, been partly dispelled; and the market, for the last two or three days, has exhibited considerable buoyancy. New Berwicks have been in particular request this morning, at advancing rates.

From these returns, it will be seen, that the amount of traffic for the last week, on nearly 3154 miles of railway, was 184,6541., thus accounted for:—106,2491. for the conveyance of passengers only, 41,2541. for the carriage of goods, and a remainder of 37,1511. for passengers and goods together, not respectively apportioned; being an increase over the correponding week of last year of 23,7771., when the mileage was about 2,250.

Edinburgh and Glasgow	Lgth. Rway.	tual cost.	Div.	1847	1816
	_	£142,900	3 p.c.		£ 230
	15	658,293	24	813 18 11	774
	35	689,248	31	1017 3 0	838
			9	1351 8 6	1257
Dublin and Kingstown	74	473,289	6		
	164	156,323			345
	47	285,745			100
	301	814,417	-	1007 7 7	
	226	6,513,026	7	15144 19 10	9723
Eastern Union	44	531,021	4.	1234 8 7	470
Edinburgh and Glasgow	48	2,275,435	6	3454 9 3	3795
Glasgow, Paisley, and Ayr	. 601	1,567,281	7	2766 8 1	2261
Glasgow, Paisley, & Greenock	28	635,918	3	1271 1 2	1256
Great Southern and Western	1101	1,343,718	-	1657 11 11	-
Great Western	241	9,714,939	8	21167 14 7	20076
Kendal and Windermere	14	-	-	213 9 8	-
Lancaster and Carlisle	70	975,625	-	1364 0 0	518
London and North Western	3784	18,042,004	10	43070 5 4	42317
	4	1,102,717	14	1454 4 11	1477
London, Brighton, & South Coast	1374	5,109,667	7	9494 19 0	8336
London and South-Western	1864	4,278,789	9	10374 13 10	8023
Manchester & Leeds	1174	5,036,391	51	9053 10 5	8637
Manchester, Sheffield, & Lincolnsh.	494	1,678,108	5	2231 13 11	1887
Maryport and Carlisle	28		0.	-	-
Midland Company	3604	7.862.274	7	20521 11 2	17597
Newcastle and Berwick	65	1,184,079	8	1789 9 2	-
Newcastle and Carlisle	65	1,184,000	5	2687 18 3	2028
Norfolk	704	1,199,689	7	2301 10 4	1628
North British	724	1,459,958	-	1983 14 9	1686
Shrewsbury and Chester	17	354,945	-	389 17 6	-
South Devon	20	1,061,283	. 5	814 16 10	543
South-Eastern	1574	5,888,411	3#	9860 3 6	9244
	38	888,411	64	1628 14 11	1240
Taff Vale	25	356,353	54	854 0 10	644
Ulster	12	91,274	100	221 13 0	-
Whitehaven Junction	1634	1.712.317	0	7850 13 6	7155
York and Newcastle York and North Midend	182	2,483,256	10	7954 16 4	6615

# RAILWAY TRAFFIC.

The following are the receipts on the various lines of railway for the six tenths ended June 30, 1847, and for the corresponding period last year.

Lines of Ratineary   Half-pear's total.   Some in 1846.	the ended June 60, 1037, and for the co	
Chester and Bir kenhead   1832   18215   18215   18216   182	Lines of Railway.	Half-year's total. Same in 1846.
Chester and Bir kenhead   1832   18215   18215   18216   182	Arbroath and Forfar	£5921 £5076
Dublin and Drogheds	Chester and Birkenhead	18332 18215
Dublin and Kingstown   23989   26534     Eastern Counties   265083   207400     East Lancashire   21773   21773     Edinburgh and Giasgow   90063   80050     Giasgow, Greeneck, &c.   28618   24188     Glasgow, Pasisy, and Ayr   62093   55079     Great Western   491115   482054     Great Southern and Western   33032     Kendal and Windermere   1655	Dublin and Drogheda	21068 19041
East Lancashire   269083   207400   East Lancashire   21773   Edinburgh and Glasgow   90063   80050   Glasgow, Greenock, &c.   24618   24188   Glasgow, Paisley, and Ayr   62095   35079   Great Western   491115   482054   Great Western   491116   482054   Great Southern and Western   1655   -     Lancaster and Carlisia   18598   25775   London and Brighton and South Coast   183937   147309   London and Brighton and South Coast   183937   147309   London and South-Western   194426   1019250   London and South-Western   194233   175984   Manchester and Leeds   215953   20775   Manchester, Sheffield, and Lincolnshire   25905   46830   Midland   489911   422017   Manchester, Sheffield, and Lincolnshire   25905   46830   Mewcastle and Carlisia   67877   48819   Newcastle and Carlisia   67877   48819   Newcastle and Carlisia   67877   48819   Norfolk   40608   87870   41492   41	Dublin and Kingstown	23989 26554
Edinburgh and Glasgow   90063   80050   Glasgow, Greenock, &c.   24618   24188   Glasgow, Paialey, and Ayr   62095   35079   Great Western   491115   482054   Great Southern and Western   1655   -	Eastern Counties	269683 207400
Glasgow, Greenock, &c. 28618 24188 Glasgow, Pasisey, and Ayr 62093 55079 Great Western 491115 482054 Great Western 133032 Kendal and Windermere 1655 — Lancaster and Carlisie 18598 London and Birighton and South Coast 183937 147309 London and Brighton and South Coast 183937 147309 London and South-Western 194233 175984 Manchester and Leeds 215593 207361 Midland 498911 422017 Manchester, Sheffield, and Limoinshire 52905 46630 Newcastle and Carlisie 57877 48819 Norfolk 40560 34582 South-Eastern 196473 173604 South-Eastern 196473 173604 Whitehaven Junction 2937 Vork and North Midland 156699 133361	East Lancashire	21773 —
Glasgow, Paisley, and Ayr (5095) 55079 Great Western (491115 482054 Great Southern and Western 130032 Great Southern and Western 1655 — Lancaster and Carlisie 1858 — Lancaster and Carlisie 1858 — London and Biackwall 292331 29775 London and Biackwall 19233 147309 London and Brighton and South Coast 183937 147309 London and North Western 1044425 1019950 London and South-Western 194233 17584 Manchester and Leeds 218593 207561 Midland 498911 422017 Manchester, Sheffield, and Lincolnshire 25905 46830 Mewcastle and Carlisie 757877 48819 Newcastle and Carlisie 757877 48819 Newcastle and Carlisie 67877 48819 Newcastle and Carlisie 6787877 Manchester, Sheffield, and Lincolnshire 19204 Morfolk 49060 34882 North British 40668 Shrewsbury and Chester 10243 South-Zastern 196473 173604 South-Zastern 196473 173604 Whitehaven Junction 2937 Vork and North Midland 156809 133361	Edinburgh and Glasgow	90063 80950
Great Western	Glasgow, Greenock, &c	28618 24188
Great Southern and Western 33032 — Kendal and Windermere 1655 — Lancaster and Carlisle 1858 — 1555 —	Glasgow, Paisley, and Ayr	62095 55079
Kendal and Windermere   1655   1656	Great Western	491115482054
Lancaster and Carlisis   18598   18598   29371   20775   London and Blackwall   29331   29775   London and Blackwall   29331   29775   London and South-Western   194423   175984   1019250   London and North-Western   194233   175983   175984   18593   194233   175984   186180   194234   1		
London and Blackwall   29331   29775   London and Brighton and South Coast   183937   147309   London and Brighton and South Coast   183937   147309   London and North Western   194425   1019250   London and South-Western   194233   175984   Manchester and Leeds   315593   207561   Midland   489911   422017   Manchester, Sheffield, and Lincolnshire   52905   46830   Mewcastle and Carliale   57877   48819   Newcastle and Garliale   57877   48819   Norfolk   40560   34582   Morfolk   40560   45660		
London and Brighton and South Coast   183937   147309   London and North Western   194425   1019250   London and North Western   194233   175864   Manchester and Leeds   21593   207561   Midland   489391   422017   Manchester, Sheffield, and Lincolnshire   22905   46830   Moreastic and Carlisle   77877   48819   Newcastic and Carlisle   77877   48819   Newcastic and Berwick   19204   49050   34882   Morfolk   49050   34882   Morfolk   49050   34882   Morfolk   49050   34882   Morfolk   49050   4		
London and North-Western   1044425   1019250   London and South-Western   194233   175984   Manchester and Leeds   315593   207561   Midland   4989911   422017   Manchester, Sheffield, and Limoinshire   52905   46630   Rewastle and Carliale   57877   48819   Newcastle and Carliale   57877   48819   Newcastle and Berwick   19204   Norfolk   40560   34582   North British   40668   Shrewsbury and Chester   10243   50uth-Zastern   196473   173604   South-Zastern   196473   173604   South-Devon   14492   Whitehaven Junction   2937   York and North Midland   156699   133661	London and Blackwall	25351 25775
London and South-Western   194223   175984	London and Brighton and South Coast	183937147309
Manchester and Leeds   315583   207561   Midland   4893911   422017   Manchester, Sheffield, and Lincoinshire   52905   46830   Newcastle and Carliale   57877   48819   Newcastle and Carliale   47876   48819   Newcastle and Berwick   19204   Norfolk   44550   34582   Norfolk   45550   34562   Norfolk   45550   Norf		
Midland   49891   422017   Manchester, Sheffield, and Lincolnshire   5990   46830   Newcastle and Carliale   57877   48819   Newcastle and Berwick   19204   468300   468300   468300   468300   468300   468300   468300   468300   468300   468300		
Manchester, Sheffield, and Lincoinshire   52905   46630   Newcastle and Carliale   57877   48819   Newcastle and Carliale   57877   48819   Newcastle and Berwick   19204   Norfolk   40500   34582   Norfolk   40500   Norfolk   4050		
Newcastle and Carliale   57877   48819		
Newcastle and Berwick.         19204           Norfolk.         45050           North British         40568           Shrewsbury and Chester         10243           South-Zastern         196473         173604           South Devon         14492           Whitehaven Junction         2937         173604           York and North Midland         156099         13361		
Norfolk         45080         34882           North British         40668         5           Shrewabury and Chester         10243         173604           South-Eastern         196473         173604           South Devon         14492         4492           Whitehaven Junction         2937         70rk and North Midland         156009         13361	Newcastle and Carlisle	57877 48819
North British         49668           Shrewsbury and Chester         10243           South-Eastern         196473         173604           South Devon         14492           Whitehaven Junction         2937         173604           York and North Midland         185609         13361		
Shrewsbury and Chester         10243           South-Eastern         196473         173604           South Devon         14492         —           Whitehaven Junction         2937         7           York and North Midland         156099         13361		
South-Eastern         196473         173604           South Devon         1499           Whitehaven Junction         2937           York and North Midland         156609         133661	North British	40668
South Devon	Shrewsbury and Chester	10243
Whitehaven Junction	South-Eastern	196473173604
York and North Midland	South Devon	14492 —
York and Newcastle	Willtenaven Junction	2937
1 ork and Newcastle170928	Tork and North Midland	156059133861
	I OFR and Newcastle	170928

York and Newcastie

COAL MARKET, LONDON,

FRICE OF COALS FEE TON AT THE CLOSE OF THE MARKET.

MONDAY.—Adair's Main 15 6—Carr's Hartley 17 6—Delayal. Hartley 16 6—New Tansledd 16—Original Tanfield 16 6—Ord's Redhengh 18 6—Tannield Moor 17 6—Wall's End Acorn Close 17—Bewicke and Co. 17 3—Eden Main 17 (6—Heswell 18 9—Hetton 18 6—Lambton 18—Russell's Hetton 18—Shotton 17 9—Heugh Hall 17—Kelloe 18 3—Cosypen Hartley 17 6—Derwentwater Hartley 18 (6—Ships, 68; sold, 48; unsold, 22.

WEDNESDAY.—Adair's Main 15 6—Bale's West Hartley 17 6—Wall's End Hotspur 16 6—Northumberland 16 6—Walker 17 3—Wakardiffe 17—Behont 17 6—Braddyll's Hetton 18—East Hetton 17—Haswell 18 9—Hetton 18 6—Lambton 18—Russell's Hetton 18—Stewart's 18 6—Whitwell 17—Hartlepool 18 6—Adelaide 17 6—South Durham 17—Tees 18 3.—Ships at market, 47; sold, 34; unsold, 13.

FRIDAY.—Adair's Main 16—Buddle's West Hartley 17 3—Dean's Frimrose 16 9—Hasting's Hartley 17 3—Holywell Main 16 9—New Tanfield 16—Ord's Redhough 16 6—Wake Wylam 18—West Hartley 17 3—Boan's Frimrose 16 9—Hasting's Hartley 17 3—Holywell Main 16 9—New Tanfield 16—Ord's Redhough 16 6—Was Wast Wylam 16—West Hartley 17 3—Holywell Main 16 9—Hast 11 7—Wharneliffe 17—Eden Main 17 6—Behmont 17 6—Braddyll's Hetton 18—Haswell 18 9—Hetton 18 6—Keepier 18—Lambton 18—Semont 17 6—Braddyll's Hetton 18—Haswell 18 9—Hetton 18 6—Keepier 18—Lambton 18—Shotton 17 6—Braddyll's Hetton 18—Haswell 18 9—Hetton 18 6—Keepier 18—Lambton 18—Shotton 17 6—Braddyll's Hetton 18—G—Walk's Hartley 17 3—Derwentwater Hartley 17 3—Howard's West Hartley 18 6—Walk's End Acorn Close 17—Beventwater Hartley 17 3—Howard's West Hartley 18 6—Walk's End 40—Vall's End Main 17 6—Braddyll's Hetton 18—Shotton 17 6—Keepier 18—Lambton 18—Shotton 17 6—Braddyll's Hetton 18—Shot

BRITISH MINES.	Shares. Company. Pald. Price.
Shares   Company   Paid   Price	9000 South Tamar
1024 Alfred Consols 41 40 256 Alternum Consols 2 12	800 South Towan 10 13 256 South Trelawney 151 10
235 Andrew and Nangiles 285 16 10000 Ayrshire Iron Company 5 44 1624 Ralleswidden 9 18	128 South Wheal Basset 110 65
128 Balnoon Consols 25 25 10000 Banwen Iron Co 2 25	256 South Wh. Hope 8 1000 South Wh. Maria 21 21
128 Baincon Consols   25   25   25   26   26   26   26   27   27   28   28   29   29   29   29   29   29	256 South Wheal Rose 11‡ 1 10000 Southern& Western, Irish 2 4-5 280 Spearne Moor 30 40
8000 Blaenavon	128 St. Michael Penkivel 101 1000 Stray Park 43 . 30 9600 Tamar Consols 5 51
1000 British Iron, New, regis.   10   184	1024 Tavy Consols 34 5 6000 Tineroft 7 8
128 Burthy	256 St. Austell Consols   6   14   94 St. Ives Consols   320   123 St. Michael Penkivel   5   104   1000 Stray Park   43   30   9600 Tamar Consols   5   54   1024 Tary Consols   34   5   1024 Tary Consols   7   8   1000 Tin Vale Consols   2   24   1000 Tin Vale Consols   10   128 Tokenbury   143   10   128 Tokenbury   143   10   126 Trehane   2   23   126 Tokenbury   126   127 Tokenbury   127   128 Tokenbury   128   139   149   150
1000 Callington 19 28 256 Caradon Copper Mine 94 1	256 Trehane
256 Caradon Mines 221. 17 256 Caradon United 24 10 256 Caradon Wh. Hopper 20 4	2000 Trenance   2   25   25   25   26 Trenow Consols   30   25   26 Tresavean   10   250   120 Trethellan   5   27   27   27   27   27   27   27
128 Burthy   20   21	120 Treviakey and Harrier 130 ** 100
166 Cleveland 9 64	128 Trewellard 12 261
500 Comblawn 14 14	6000 United Hills
128 Comfort	256 West Caradon 20 168 128 West Cargoll 2 12
1000 Coombe Valley Quarry 1 14 1000 Copper Bettom 1 5	512 West Fowey Consols 40 15 256 West Grambler 7 8  West Kekewich Consols 3
128 Comfort	200 West Seton 40 60
500 Cubert Mine 121 23 2048 Dartmoor Consols 2 4 7100 Derwent 84 5	120 West Trethellan 5 35
1024 Devon&CourtenayCon. 6 3 1000 Dhurode 2 5	256 West Wh. Friendship. 7 4 3845 West Wheal Jewel 11 2
186 Dolconth	256 West Wh. Friendship. 74. 4  2845 West Wh. Evendship. 74. 4  2845 West Wheal Jewel. 11. 22  2560 West Wheal Rough Tor 4. 2  256 West Wheal Shepherd. 5. 22  256 West Wheal Treasury 19. 8-9
2000 Drake Waits	256 West Wheal Tolgus 211 3 256 West Wheal Treasury 19 8-9
512 East Combe Silver-Lead 64. 64	2500 Wicklow Copper   5   11   184 Wheal Adams   41   10   1000 Wheal Adams   8   256 Wheal Albert   10   8   128 Wheal Acland   13   2   256 Wheal Acland   13   2   256 Wheal Acland   25   25   25   25   25   25   25   2
100 East Relistian	256 Wheal Albert 10 8 128 Wheal Acland 13 2 256 Wheal Allen 2 5
94 East Wheal Crofty280 310 256 East Wheal Fortune 2 3	937 Wheel Anderton 164 96
128 East Wheal Rose 50 1300 2048 East Wh. Rough Tor 4 2	128 Wheal Ann   503   128 Wheal Arryose   33 4   4   1024 Wheal Ash   3   12   120 Wheal Bal   5   20   20   20   20   20   20   20
512 East Combe Silver-Lead 64   64   128 East Pool   5   20   100 East Relistian   22   40   9000 East Tamar Cousols   14   2   East Wheal Albert   1   3   94 East Wheal Crofty   280   310   256 East Wheal From   2   3   128 East Wheal Rose   50   1300   2048 East Wheal Rose   50   1300   2048 East Wheal Rose   50   14   121 East Wheal Seton   14   20   205 Elborough   14   22   226 Exmoor Wh. Kitza   36   12   121 Eoncy Consols   40   45	256 Wheal Benny 64 5
256 Exmoor Wh. Eliza 3 12 512 Fowey Consols 40 45 20000 Galyaniand Iron Co 10 01	256 Wheal Blencowe 8 124 256 Wheal Bucketts 20 22 256 Wheal Byon Consols 4
200 Exthoor Wil. Ediza. 3 12 12 12 12 12 12 12 12 12 12 12 12 12	136 Wheal Clifford 190 190
256 Gonainena	1024 Wheal Concord 6\$ 1\$ 128 Wheal Courtenay 20 6000 Wheal Curtis 1\$
	256 Wheal Dyke
256 Great Callestick Moors   22.   25   256 Great Callestick Moors   14.   4   256 Great Resugga Moor   2   4   512 Gt.Wh.Rough Tor Con.   64.   36   1500 Great South Tolgus   2   2   2	206 Wheal Fortnesce
1500 Great South Tolgus 2 . 2 100 Grogwinion 5 . — 1000 Gunnis Lake 12 . 3	256 Wheal Jane 16 30
256 Gwinear Consols 5 25 1000 Hanson 14 2	256 Wheal Kekewich 4 4 256 Wheal Louisa 71 12
800 Hawkmoor 3 2	256 Wheal Kekewich   4   4
800 Hawkingor	4000 Wheal Martha Consols. 5 · · 2 512 Wheal Mary Ann · · · 5 · · 24
- Hobb's Hill 4 3	256 Wheal Mary (Lanivet) 64 4 256 Wheal Mande 14 14
1000 Holmbush   19   8   827 Kirkcudurightshire 5\$   94   2048 Lamherooe Wh. Maria 9   3   2048 Lamivet Consols   4   22	128 Wheal Pollard 12 12 210 Wheal Prospect 4 7
200 Larkholes 1 2 128 Lelant Consols 90 60	4000 Wheal Martha Consols. 5   2   512 Wheal Mary Ann   5   24   286 Wheal Mary Consols. 38   25   286 Wheal Mary (Lanivet)   6   4   295 Wheal Maude. 1   1   128 Wheal Polard   12   1   210 Wheal Prospect   4   7   120 Wheal Prospect   4   7   120 Wheal Prospect   4   7   120 Wheal Reeth   27   30   130 Wheal Reeth   27   30   130 Wheal Setter   60   45   2048 Wheal Samson   20   99 Wheal Setter   29   35   236 Wheal Sisters   29   35   236 Wheal Spearne   10   75   128 Wheal Spearne   75   115   126 Wheal Trelawney   74   115   136 Wheal Trelawney   74   115
138 Leliant Consols   90   60   60   60   60   60   60   60	256 Wheal Sisters 294 850 256 Wheal Sisters 295 35 256 Wheal Sophia 34 10
1000 Llwyn Malees 5 5 5 5 5 50 60-65	128 Wheal Spearne 10 75 128 Wheal St. Ann 9 15
128 Ludcott 3 3	256 Wh.Tremaine(St.Ervan) 14 20
4000 Marke Valley   10   10   10   10   10   10   10   1	260 Wheal Trelawney . 72 . 115 256 Wh.Tremaine(St.Ervan) 14 . 20 256 Wheal Tremayne . 35 . 35 128 Wheal Trevenna . 2 . 4 92 Wheal Trevenna . 3 . 4 92 Wheal Treybena . 140 . 300 128 Wheal Virge (Person) . 4
128 North Fowey Consols 25 20 100 North Pool 43 . 259	128 Wheal Venland 121 10 256 Wheal Vlow (Perranz.) 2 4
70 North Roskear 101 400 812 North Treburget 2 3	256 Wheal Vlow (Perranz.) # - # 184 Wheal Vyvvan 60 256 Wheal Williams 6 - 18
256 North Wh. Abraham 12 262 North Wh. Leisure 11 31	FOREIGN MINES.
128 North Wh. Providence 21 8 15000 Northern Coal Co 93 9	FOREIGN MINES.  5000 Alten Mining Company 141 35 45000 Asturian Mining Co 10 62 20000 Asturian Mining Co 10 64
128 Par Consols	19000 Asturian Mining Co.   10   02   20000 Australian   2   64   19000 Anglo-Mexican Co.   100   2   12374 Ditto Subscription   25   24   3000 Bolanos   150   64   2000 Ditto Scrip   15   64   12000 Brazilian Imperial   20   42   19000 Cobre Copper Co.   40   25   8500 Colombian Co. regis.   55   8500 Colombian Co. regis.   5
100 Pennant	3000 Bolanos
128 Pen-y-Cefn Mine 50 55 1280 Perran St. George Un. 13 20	10000 Cobre Copper Co 40 25 8500 Colombian Co. regis 55
512 Plymouth Wh. Yeoland 42. 22 2048 Prince Edward	10000 Cohre Copper Co.   40   25
112 Providence Mines 35 45 256 Redruth Consols 3 5	5000 Kinzigthal Mining Ass. 2 41 20051 Mexican Company 59 —
10000 Ditto New 7 62 256 Rose Consols 10 11	2000 Mexican & SouthAmer. 7 3 5000 Mocaubas & Cocaes 25 44-5
1000 Rosewall Hill	29320 { Rl.del Monte, regis. } 28‡ · · av. 2½ Ditto unregistered } Ditto Red Debentures — · · 20
2500 Silver Valley 4 2 128 South Caradon 10 410	Ditto Bulletines
128 North Wh. Providence   24    8	2000 Pachuca Mines 4 41 11000 St. John del Rey 15 9

# 256 Sth. Friendsh. Wh. Ann 16 .. 14 | 11000 St. John del Rey .... 15 .. 9 | 200 South Harvannah .... 23 .. 26 | 13174 United Mexican ..... 284.. 2

SOUTH AUSTRALIA AND NEW ZEALAND.

## JOINT-STOCK BANKS.

snares.	Companies.	Paid.	Div. p.	cent.	Price.	100
22,500	Australasia	. £40	£3		£904	
20,000	British North American	. 50	5		44 45	
20,000	Colonial	. 25	8		154 16	
	Commercial of London	. 20	6		22 23	
4,000	Ionian State	. 25	6		244 25	
60,000	London Joint-Stock	. 10	6		174	
33,000	London and Westminster	. 20	6		261	
10,000	National Provincial of England	. 35	5	******	364 384	
20,000	National of Ireland	. 224	5		204 21	
20,000	Provincial of Ireland	25	8		454 46	
4,000	Ditto New	/ 10	8		16	
20,000	Union of Australia	95	6	1000000	221 24	
10,000	Ditto New	94	6		24 94	
61,000 1	Union of London	16	5		12 124	

THAMES TUNNEL COMPANY.

who passed through the Tunnel in the week ending July-10, 16.675; amount of money, £59 94.7d.

VALUABLE AND IMPORTANT SHARES IN MINES IN CORNWALL, FOR SALE MR. TIPPET has been directed to SELL, BY PUBLIC AUCTION, on Wednesday, the 28th day of July instant, at Two o'clock in the Afternoon, at Pearce's Royal Hotel, Trure, in such lots, and subject to such conditions, as shall be then and there produced, the following highly valuable and important MINE SHARES,—vis.:—

SHARES, -vk.:
4 (128th) SHARES of and in CREEGBRAWS COPPER and TIN MINE, in Kenwyn, 4 (128th) SHARES of TREVISKEY COPPER MINE, in the parish of Gwennap.

3 (120-th) SHARES in the EASTERN BARRIER COPPER MINE, in Gwennap.

3 (120-th) SHARES in WEST WHEAL JEWEL COPPER MINE, in Gwennap.

3 (128th) SHARES in WEST WHEAL JEWEL COPPER MINE, in Gwennap.

4 (128th) SHARES in WEST WHEAL JEWEL COPPER MINE, in Kenwyn.

5 (128th) SHARES in WESORE LEAD MINE, in Kenwyn.

The agents on the mine will give information, and for farther particulars, application may be made at the auctioneer's office in Fydar-crirect, or at the offices of Measrs. Smith and Roberts, solicitors, Truro.—Truro, July 14, 1847.

# LATEST CURRENT PRICES OF METALS. LONDON, JULY 16, 1847.

	£	a. £	8.	d.	2 . 2 . 4
Inon -Bar a. Wales ton	Ties	768	10	0	Corren-Ordin. sheets, 8. 0 0-0 0 11
London	0	0-0		o.	
Kail rods	0			0	
				- 2	
Hoop(Staf.),,		0-11		0	
Sheet "		0-13		0	n bars 0 0-4 9 0
Bars ,, ,,	0	0-11	D	0	
Welsh cold-blast?	4	10- 5		0	Straits A 4 4-4 5 0
foundry pig 5	16.51	32337.23	MT	960	Banca 4 8- 4 10 0
Scotch pigb, Clyde	0	0-3	10	0	TIN-PLATES-Ch., IC i, box 1 8- 1 10 0
Rails, average	0	0-9	0	0	. IX 1 14- 1 16 0
Russian, CCNDe	0	0		.00	Coke, IC 0 0-1 5 0
,, PSI	0	0			IX 0 0- 1 11 0
Gonrieff	ñ	0	10	1 4	LEAD- Sheet & fon 19 5-19 10 0
Archangel				0	Pig. refined 0 0-20 5 0
Swedish d,on the spot					, common 0 0-18 10 0
Steel, fagt.				0	" Spanish, in bd. 0 0—18 0 0
n steel, lagt.		0-10	9		" Spanish, in bu. 0 0—18 0 0
					SPELTER-(Cake) on spot 20 5-20 10 0
COPPER-Tile				0	,, for arrival 0 0-20 0 0
Tough cake				0	
Best selected	0	0 101	0	0	QUICKSILVER
a Discount 22 per cent.		h Ne	t es	sh.	e Discount 21 per cent. d Ditto
e In kees & and &inch		Disconn		ner	cent. g Ditto 24 per cent. h Net cash
in hond / Discom	nt	3 per ce	ne	lung.	& Ditto 24 per cent. / Net cash.
					per cent. * For home use it is 32%. per ton.
as Discount if bet cent.	50	Discoi	unt	141	per cent For nome use at is ass. per was

[From our Correspondent.]

IRON.—Welsh and Staffordshire continue as last quoted, with a fair business doi Scotch pigs have advanced to 70s., free on board at Glasgow, where buyers are found support the market. In Russian and Swedish nothing new.

Corres remains firm, and in good demand, since last week's Mining Journal.

The (English) has been in fair request since the fall, but foreign is very quiet.

The-Plastra and Laza are steady at quotations.

SPELTER is held at 204. 5s., and several sales have taken place at that price.

GLASGOW PIG-IRON TRADE, JULY 15.—The improvement noticed in our last continued up to the beginning of this week, at which time mixed Nos. were sold at 71s. 6d.—cash. A reaction then took place, and a parcel or two changed hands at 70s, cash—subsequently, 70s. 6d. and 71s.—cash in three weeks. To-day the market is quief, and mixed Nos. may be quoted at 70s.—cash. The strike amongst the miners, which recently took place, is still maintained.

## PRICES OF METALS IN AMERICA.

VEW YORK HINE 30 1947

S cts. S cts.	S cis. S cis.
COPPER-Sheathing lb. 0 234 - 0 0	Inon-Engl. & American 0 51-0 6
" Old 0 184— 0 19	" Hoops docut. 5 50 - 6 50
, Braziers' 0 234 - 0 25	NAILS-Cut 4 da. 40 1b. 0 44- 0 42
Pig 0 18 - 0 0	(3d 1 c. & 2d 2 c. more)
Bolts 0 24 - 0 25	" Wrought, 6 to 20 0 10 - 0 14
LEAD*-Pig 4 50 - 0 0	, Horse-shoe 0 17 - 0 21
, Bar 0 5 - 0 54	Snor-Patent 0 54-0 0
, Sheet 0 51-0 0	, Buck 0 61 0 0
Inon-Pig, Eng. & Scotch 0 0 -35 0	SPELTER-In plates 5
,, American, No. 1 0 0 -32 50	STEEL-German /b. 0 101- 0 13
" " common22 50 —25 0	English Hoop L 0 13 - 0 134
Bar, RPSI 100 0 102 50	" Spring 0 51-0 5
" Swedish87 50 90 0	, Trieste boxes 0 0 0. 0
" ,, American, old85 0 — 0 0	, American 0 41-0 5
" English refined 85 0 - 0 0	TIN-Block, South Amer.lb. 0 0 - 0 0
,, common .72 50 75 0	" Ditto, East India 0 0 0 0
" Sh. Russian, 1st qual. 0 111 — 0 12	" In plates, † dx. bx 9 0 — 9 25
• Duty-Pig and bar, 3 ; old an	d scrap, 14; sheet, 4 cts. per lb.

There is no change in copper. Scotch pig-iron, which was low at our last date, is held higher; Swedish burs tend upwards—selling at 592 30 to 585 per ton from ship. English bars are in demand at 566 to 567 per ton.

			S	old e	16 2	_		-		oth J	т,	18	47.	A PA
Mine	8.				1	Tons		1		A	nou	mt.		Purchasers.
East Wheal	Rose.					42				£15	.5	6		. Penpoll Company.
ditto														Michell and Sen.
ditto						30				13	16	6		Newton, Keates, & Co
ditto						30				13	16	6		Sims, Willyams and Co
ditto														
		Tot	al to	ns,	193		lm	out	t o	f mor	aey,	, 26	824	5s. 6d.

## Sold at Truro, on the 10th July, 1847.

Wheal Adams ..... 37 ..... £12 0 0 .... Mullins, Brothers. \* In reply to several correspondents, we may state, that, at Holywell, the price paid for LeaD Oans is for 20 cuts., without any allowance for water; whilst, in Corawall and Devon, the ton, so called, is 21 cuts, and deduction is made for water.

# COPPER ORES.

The following are the Companies by whom the Ores were Purchased, at the SWANSEA

SALE of July 8, 1847 :				-22		
Tons.		Am	Amount.			
Fn glish Copper 248			9	0		
Freeman and Co 146			18	10		
Grenfell and Sons 357	*****	4565	15	0		
Sims, Willyams, and Co 468			10	6		
Vivian and Sons 735		7483	10	4		
Williams, Foster, and Co		10251	17	4.		
Mines Royal 109	*****	1372	2	6		
Total tons	£	37,582	3	6		

At SWANSEA, for sale July 22. —Cobre 106, ditto 102, ditto 101, ditto 80, ditto 97, ditto 66. —Coplapo 86, ditto 72, ditto 70, ditto 67, ditto 88, ditto 61. —Pensylvania 78, ditto 75, ditto 64, ditto 64, ditto 53. —Burra Burra 97, ditto 76, ditto 75, ditto 4, ditto 24, ditto 69, ditto 53, ditto 52, ditto 48, ditto 38, ditto 69, ditto 38, ditto 38, ditto 48, ditto 38, ditto 38, ditto 60, ditto 1. —Cronebane, 1. —Caba 95, ditto 36. — Knockmahon 113. —Lawy 60. —St. Andreas 20, ditto 18. —Ballygahan 33. —Kaw-aw 7. —Total amount of copper ore for sale, 2675 tons.

COPPER ORES.

NO SALE on Thursday last, July 15.

Copper ores for sale on Thursday next, at Peurce's Hotel, Truro.—Mines and Parcels.—Devon Great Consols (Wh. Maria, Wh. Fanny, and Wh. Josiah) 799—Tresaven 410—Treviskey 351—West Caradon 351—Poldice 332—Fowey Consols 317—Wh. Friendship 210—Wh. Jewel 134—Bediot United Mines 103—Barrier 94—Holmbush 69—Ting Tang Cousols 39—Wh. Maiden 309—South Towan 13—Wh. Unity Wood, 6.—Total, 3265 tons.

Copper ores for sale on Thursday week, at Pearce's Hotel, Truro.—Mines and Parcels.—Consolidated 1035—United Mines 1000—South Caradon 433—Perran St. George and Bolenna 363—Per Consols 264—Treleigh Consols 239—Wh. Comfort 237—St. Aubyn and Grambler 221—Tretchellan 203—Wh. Sisters 180—Wh. Ellen 108—Wh. Andrew and Nangiles 77—Wh. Clifford 76—Wh. Mary Consols 30—Wh. Prudence 41—Redruth Consols 20—St. Austell Consols 20—Wh. Union 6—Savis Moor 5—Wh. Buller 3.—Total, 4603 tons.

BLACK TIN. 
 Mine.
 Tons. cust. qr. lb.
 Price.
 Purchasers.

 Great Polgooth.
 24
 16
 0
 3
 ... 48
 0
 0... Calonick Co. & Williams.

 Ditte
 1
 12
 17
 ... 45
 7
 6... Ditte and ditto.

 Amount of money
 ... £1264
 10s. 7d.
 70s. 7d.
 70s. 7d.

Government authorities.

Another Dears on the Eastern Countries Line.—As Thomas Farker was driving a load of trucks from Broxbourne to Stratford, he put his bread over the engine at Magning to get that all was right, when it struck against a cross-tie of a peculiarly constructed viaduct there, three him on to the rails, and the wheels severed his ayour from his body. Before the sicker could render any assistance, snether train passed over his body, and literally cut it in pieces.

NOTICES TO CORRESPONDENTS.

## THE MINING JOURNAL Bailway and Commercial Sagette

LONDON, JULY 17, 1847.

We last week gave as usual the quarterly returns of the produce of copper from the principal mines of Cornwall; and a comparison with those of the quarter ended March 25 will, we doubt not, prove eresting to many of our readers. Devon Great Consols still takes the lead, although she has fallen off 1372l., as compared with the former quarter, notwithstanding there is an increase in the total returns of 10,163l.; a large portion of this increase arises from the great improvement in Carn Brea, Great United, Wheal Seton, and several other mines, the produce of the former having risen from 13,697l. to 18,555l., being an increase of nearly 5000l. in the quarter, and which has placed that mine second on the list. The Great United has also made great improvement, the amount of produce having risen from 10,379l. to 15,399l., or upwards of 5000l.; Wheal Seton has also advanced 4298l.; the Great Consols nearly 700l.; Fowey Consols, 2124l.; South Caradon, 3115l.: Tincroft, 552l.; Par Consols, 3125l.; Treviskey and Barrier, 3024l.; Tresavean, 1676l.; Wheal Sisters, 1176l.; Dolcoath, 1815l.; Perran St. George, &c., 1801l.; Trethellan, 460l.; Wheal Tremayne, 635l.; East Wheal Crofty and Longclose, 2917l.; Stray Park and Camborne Vean, 3649l.; Treleigh, 1495l.; and numerous other mines, of smaller pretensions, have shown respectable improvement. The greatest falling off appears to be in North Roskear, her produce having decreased from 11,540l. to 6321l.—a difference of 5119l.; West Caradon has decreased from 8581l. to 7253l.; South Wheal Francis from 6229l. to 5794l.; Poldice from 2638l. to 1578l.; United Hills from 4152l. to 3386l.; Levant from 2511l. to 1059l.; Charlestown United from 1540l. to 978l.; Wheal Jewel from 1381l. to 782l.; South Roskear the lead, although she has fallen off 13721., as compared with the 15 3386.; Levant from 2511. to 1059.; Charlestown United from 1381. to 782l.; South Roskear from 1286l. to 727l.; Trenow from 1094l. to 590l.; Wheal Harriet from 1016l. to 360l.; while many of the smaller producing mines have exhibited considerable fluctuation, which, though small in have exhibited considerable fluctuation, which, though small in themselves, swell the amount in the aggregate, and accounts for the difference in the total produce being so much less than the increase in the above-mentioned mines. Having thus given the result of the comparison of the principal of those mines which have in the previous quarter returned upwards of 1000l., we suggest to our readers, who are interested in mining adventure, to compare the quarterly returns of each mine, which, we believe, will be found to generally correct.

In our publication of to-day will be found two communications on the subject of the Britannia-Bridge, over the Menai Straits—one from Mr. Motley, the other from Mr. De la Haye. In the former letter an article in Dr. Lardner's Encyclopedia is alluded to, which we have now before us. It is a description of a model of a suspension railway bridge, exhibited by Mr. Motley in Liverpool, about the year 1830. A subsequent model, which he made, represented a bridge of 1900 ft. says and was one scale of 1 in to a foot-consion railway bridge, exhibited by air. Mother in inverpos, accurate the year 1830. A subsequent model, which he made, represented a bridge of 100 ft. span, and was on a scale of 1 in. to a foot—consequently, it was 8 ft. 4 in. long, and 12 in. wide; the whole weight of the iron was only 11½ lbs., and it supported 450 lbs., with a deflection of only half an inch. Mr. Mother believes that, with an addition of 3½ lbs. of iron, it would bear nearly half a ton, and, by a stream to a bridge on the same construction will supported. addition of 34 lbs. of iron, it would bear nearly half a ton, and, by analogy, he estimates a bridge on the same construction will support from 300 to 400 tons. The strength and economy of wroughtern bridges on this plan is certainly deserving the attention of directors of railways, who should not suffer themselves to be absolutely governed by engineers, however eminent they may be deemed; but they should in some measure judge for themselves, and avail themselves of all known improvements. As the subject is just now creating great interest in the public mind, we have also given a most graphic and lively account of the progress of this tunnel-bridge, under the title of "Extracts from a Note Book," which gives an accurate detailed account of this gigantic work. curate detailed account of this gigantic work

In another column, will be found a report of the annual meeting of the proprietors in the ROYAL SANTIAGO MINING COMPANY, and which, we regret to say, will be found anything but encouraging. which, we regret to say, will be found anything out encouraging. The change in the strata, detailed at the last meeting, had limited the raisings, leaving a profit on the year's workings of only 5752. 16s. 1d. The position of the company, with respect to the law-suit with the Cobre Company, has not by any means improved; the latter party have got possession of the Sanctuary ground, which they are working; and, although the Santiago Company are prosecuting an appeal at Madrid, from the decision of the courts at the Havane there does not appear any symptoms of seconds settle. prosecuting an appear at Madrid, from the decision of the courts at the Havana, there does not appear any symptoms of speedy settlement. It will be seen, that the directors (wisely, we think) have not declared a dividend, although possessing a fund of upwards of 43,000l., as, in the present precarious situation of the company, it is certainly most prudent to husband their resources. Some lodes of promise have been opened, which hold out some expectation of improvement.

Mr. T. Duncombe, notwithstanding his hazing consented a fortnight since to withdraw his first Colliery Regulation, or Restriction
Bill, on the express understanding, that the Government would
mature an unobjectionable measure by the next session of Parliament, has had the bad taste, within a week of the expected dissolution of Parliament, to press for the second reading of a similar
bill, brought in last week by Mr. Hume. On Wednesday evening
he presented a petition, signed by 8600 miners in Lancashire, in
favour of the measure, and said that the bill was confined to certain
sellianise in these country and Statements, but the force of the second reading the second he presented a petition, signed by 8600 miners in Lancashire, in favour of the measure, and said that the bill was confined to certain collieries in that county and Staffordshire, know to be "fiery" and dangerous; the object was to protect the workmen against the danger arising from blasting the coal in these mines by gunpowder. If the 5th and 6th clauses were considered too stringent, he should have no hesitation in withdrawing that portion of the bill. Now, these clauses contain the very regulations which Mr. Duncomne contends is so desirable for the well being of the colliery; and by withdrawing them, the bill absolutely becomes a nonentity. This was remarked upon by Sir George Grex, who expressed "his surprise and regret that the hon. Member had again proposed a bill of this character at so late a period of the session, and after the very decisive opinion on the subject, which the House had already pronounced. He believed, that legislation in such direction at the present moment would be exceedingly dangerous; and he had no doubt, when proper inquiry and consideration had been given to the subject, that a measure, satisfactory to all parties, and effectual in preventing the recurrence of these frightful accidents, would be introduced." Notwithstanding, it must have been evident to Mr. Duxcomment, that the House was against him, the majority recommending him to withdraw his bill, and wait the introduction of the Go-

RAILWAY IMPROVEMENTS—PLAN FOR SURMOUNTING STEEP GRADIENTS WITH LOCOMOTIVES.

RAILWAY IMPROVEMENTS—PLAN FOR SURMOUNTING STEEP GRADIENTS WITH LOCOMOTIVES.

As very large items in the cost of railway construction are those of cuttings and embankments, necessarily resorted to, to avoid gradients of such an incline that the adhesion of the smooth wheel to the rail will no longer prove sufficient to secure propulsion, many suggestions have been made for constructing railways on the inclines, in such manner, that a firmer adhesion may be obtained, enable a train to ascend almost any incline at a very slightly diminished speed, and thus cause a very great saving in the first cost of railways, as well as enabling the engineer to take a much more direct course between termini than can be done at present. Among these various plans is one by Mr. Nisbet, which we noticed in the Mining Journal of the 10th October last, and which, from its strength, simplicity, and the power obtained, appears well calculated to overcome the difficulty in question. In this plan, a ring, or circle, of strong teeth, is bolted, or affixed, to each of the sides, or to only one of the sides of each of the two driving-wheels of the locomotive engine, and which teeth take into the teeth of racks, laid down on one or both sides of the rails, wherever there is an ascent. These rack bars commence at a distance from the actual beginning of the ascent, equal at least to the greatest length of any train which may travel on the line, and increase by regular gradation, from a height only just above the ground, to the full depth of the teeth of the wheels; and they are at first bevelled off on the entering side to a sharp point, and become successively less bevelled, and broader at the points, according to the increase of height. The teeth of the wheel rings will thus have fairly entered those of the racks, and have obtained a perfect hold upon them, by the time their assistance is required to propel the locomotive up the ascent. The racks should be prolonged beyond the top of the ascent equal to the distance they preceded it, and the purpose intended, and cause a vast saving in the construction of railways.

PREPARED ANIMAL OIL FOR LUBRICATING MACHINERY.

With the rapid advance and improvement in the mechanical arts, and the construction of every description of machinery which has taken place in this country during the past half century, much difficulty has been felt from the want of an oil or lubricating substance, for the working parts of machinery, which would retain its properties under all rates of temperature, not setting in the coldest weather, and being perfectly free from any acidity, or corresive power, by which the more delicate and polished parts of engines could suffer any injury. This great esideratum has been completely and successfully carried out by Mesars. W. Brotherton and Co., of Hungerford Wharf, who have perfected the manufacture of a pure oil, which possesses every property necessary for a perfect lubricating substance, without any of the defects of other oils, tailows, manufactured greases, &c. In addition to its good qualities for lubrication, it is perfectly free from smell—a property unknown in other oils, the effluvia from which is of such an offensive nature on board steam-packets, and which renders the atmosphere of the engineers' workshops so destructive to the health of the men enaployed in them; several eminent engineers, who have introduced Mesars. Brotherton's oil, have testified to the extraordinary change which has been effected, the effluvia having entirely vanished, and the air remaining pure and wholesome. This circumstance has secured its use on beard the Victoria and Albert and Fairy yachts, and other Government steam-ships, and the works in Woolwich Dockyard. It is also a very superior and economical lamp oil, burning longer than the best sperm, diffusing an equal light, while the cost rather exceeds one-half only. The entire freedom from acidity and sediment of this lubricating oil, and its liquidity at all temperatures, render to great value in the preservation of machinery, it is soft body, limpid character, and a greatly reduced quantity, as compared with other oils, being only required, make it extremely economical With the rapid advence and improvement in the mechanical arts, and the construction of every description of machinery which has taken place in this country during the past half century, much difficulty has been felt from the

THE AMERICAN STRAM-SHIP "Washington."—Our Yankee friends appear to be most unfortunate in their first attempt to compete with us in steambost navigation. From the vauntings in the public journals, we expected that the Washington was to eclipse everything that had crossed the Atlantic—in which, however, her admirers have been completely deceived. Since her crawling voyage from New York to Southampton, in which she was defeated by the Britannia by two days, she again set sail, homeward bound, and had reached the Needles, when it was found that her fire-bars were burnt out, and a new set were supplied, which, however, soon shared the same fate. Being considered totally ansafe to continue the voyage, the vessel's head was turned when more than 100 miles from Southampton, where she eafely returned in the afternoon of Sunday last. A committee of the passengers was held on Moriday, when it was unanimously agreed, that the destruction of the fire-bars was owing to the bad quality of the coals—a species of anthracite, much resembling the American; and which had destroyed two sets of fire-bars in 24 hours; the body of the furnace and the boilers were uninjured. It is but justice to Capt. Hewitt to state, that he effered to refund the passage money to avery passenger, which only two accepted, and for reasons unconnected with the ship.

vernment measure in the next session, he persisted in moving the second reading, when it was lost by a majority of 56 to 23.

In another column will be found an abstract of the report of the commissioner appointed to investigate into the present state of the colliery districts; and it will be found that in his recommendations, his opinions coincide with what we have continually advanced, of the impracticability and injurious tendency of any compulsory enactments with regard to the ventilation and working of collieries. The most beneficial results would, we have no doubt, follow a well-considered measure—in which, on the part of the owners, the size of the shafts and air-ways, in proportion to the extent of the working, and other details in ventilation, are properly regulated; and on the part of viewers, and men, the rendering certain acts criminal—such as the use of gunpowder, improper use of both candles and lamps, as the safe use of both can be properly defined, and other enactments, which might easily be carried out, without the objectionable system of inquisitorial and complisory inspection, recommended by Mr. Dencomment, in conjunction with the great body interested in the safety of the collieries, at an early period of the session, to which we shall look forward with much interest—a measure which will prove itself worthy the first enactments of a new Parliament.

THENT VAILEY RAILWAY—CAST-IRON GIRDER BRIDGA

Capt. Coddington having completed his inspection of the bridges on the Tr. Valley line, we extract some particular from his report, relative to those of the Sin. 2 and 6 hz. in a sport, relative to those of the foundary extending the functional surface of the foundary the foundary extending the functional surface, with a transition of three data by a specific bridge. With respect, to the compound sidered measure in which, on the part of the owners, the size of the heaviest angines coupled together, was half-an-inch. Iron girders, indicate the heaving on each particular from his report, relative to tho TRENT VAILEY RAILWAY—CAST-IRON GIRDER BRIDGES.

Capt. Coddington having completed his inspection of the bridges on the Trent Valley line, we extract some particulars from his report, relative to those constructed with cast-iron girders. Effect of these do not exceed \$0.ft. opening; four others vary between \$5 ft. and \$7 ft. 6 in.; every girder was proved at the foundry—the proof always extending to half the calculated breaking weight. The deflection on the largest of these girder bridges, with a train of three of the heaviest engines coupled together, was half-an-inch. Iron girder bridges exist on every railway in the kingdom; and he considers that up to a space between \$5 and 40 ft., a flat cast-iron girder, of atrength calculated to the asual formula, affords security as a railway bridge. With respect to the compound girders, similar to those over the Dee at Chester, there are six bridges, with girders in three castings, bolted together at the flanges, clipped undernseth, and strengthened by massive wrought-iron rods, forming an inverted truss. There are two over the Trent and Mersey Canal—span, 54 ft. \$4 in.; one over the turapike-rosd, 57 ft.; one over the Coventry Canal, \$60 ft.; one over the Curan, and trengthened by massive wrought-iron rods, forming an inverted truss. There are two over the Trent and Mersey Canal—span, 54 ft. \$4 in.; one over the turapike-rosd, 57 ft.; one over the Coventry Canal, \$60 ft.; one over the Curan, and the supplied of the river under each of the joining flanges of the girders; these piles are connected at the heads by cup silla, extending under the girders, and the intereval between them and the girders is made good with wedges—thus dividing each span into three spans, and covered by a girder calculated equal to three times the span—be hase no doubt, therefore, of the strength and officiency of this bridge. The other five range between \$6 and 60 ft.; and assuming that these compound girders, including their tession rods, are only half more in atrength; han the calculated beam

THE LATE ACCIDENT ON THE DEE BRIDGE.

Mr. Walker and Captain Simmons, the Government engineers appointed by the Railway Commissioners to inspect and report on the causes of the late melancholy accident, have completed their report: it gives an elaborate result of their surveys, and many interesting details, illustrated by diagrams, showing the order of the train and the position of the passengers—the deflection of the girders, and drawings of the bridge, with its divers appointments, with the observations and experiments of the commissioners. Waiving these as too minute, tedious, and technical for these columns, we digest these details into an abstract of the following conclusions at which these gentlemen have arrived:

an abstract of the following conclusions at which these gentlemen have arrived:

That the bridge was of sufficient strength, if the east and wrought-from be supposed to
act together—each taking its equal proportion of the strain.

That there is great difficulty in ensuring the joint-action; and that, it this is a part of
the principle of the bridge, we do not approve it.

That neither the wrought nor the cast-fron, taken separately, was sufficient for perfect
stability; and that, to have ensured this, the east-fron girders alone should have been of
sufficient strength to carry the whole weight, with an ample allowance for the various
circumstance (some of them peculiar to this bridge) which we have explained.

That, with the exception of the bends, or warps, in the top flanges, the castings are of
good quality.

That the stone-work of the piers and abutinents is good, and in no way contributed to the failure.

That the stone-work of the piers and abutinents is good, and in no way contributed to the failure.

We come now to the question, what was the immediate cause of the accident? As the bridge has carried as great, or greater, loads before, the suggestion that ther was something peculiar in this case, as the end of a rail having projected from the straigh line, and been struck by the engine, as the end of a rail having projected from the straigh line, and been struck by the engine, see the tender having got off the line and struck the girder laterally, is not improbable. The engineers who were called by the railway come pany, considered that the breaking of one leaf of the wrought-iron that was next the ender, the piece that was struck out of the girder, and the damage to the abutinent wail are all proof of the fact, that the accident was caused by the tender having got off the line, and broken the girder by a heavy lateral blow. We refer to the evidence of MY Stephenson, Mr. Locke, Mr. Vigneies, and Mr. Gooch, who were also of opinion, that the strength of the girders was sufficient. As to this latter point, we have already stated the principles upon which alone this conclusion could have been arrived at, and our own opinion. As to the tender, or the carriage immediately behind it, having got off the sail way and damaged the abutment walls, there is no doubt; and if the tender struck this did of the girder, when the latter was under a great strain, a fracture was the probable consequence. This is on the presumption of the tender having got off the line from some other cause than the breaking of the girder.

Our own decided opinion, formed from the statement we have made as to the strength of the girder, and from the position in which the before, and from the hostic results and the fact that, when a weight, partly permanent of the girder in the centure of the girder, and not in the end which rested or the statement.

their strength becomes reduced; and that if, when this has taken place, the mossetters of the passing weight be increased by any frequiarity in the rails, or in the motion of the engine, to which the best made and managed railways are studied; a fracture is likely to be the consequence.

It is proper to name, that itr. Bobert Stephenson state im his evidence, that he had erected a number of bridges or the same principle as this, and that this was the first sailure. We have not examined those bridges: they are stated to be all of less span than the Chester bridge; but that the dimensions of the parts are proportionably lose; and it may, perhaps, be argued from the above numerous examples, and the opinions of sminent engineurs opposed by this one failure, that, in considering the weakness of the girder to be the cause of the failure in the present case, we are mislaten and uncessarity cautions in the objections we exertain and have expressed, as to the principles of this bridge and its security; but as we entremt these opinions very decidedly, it is our duty (by no means an agreeable one) to express them.

The following are copies of some important minutes of the commissioners accompanying the report, dated 29th June;—

The Commissioners of Railways, after considering this report, are of opinion that it is their duty to call the attention of her Majosty's Government to the uncertainty which at present exists respecting the conditions to be complied with a employing lives, but more particularly cast-iron, in engineering works. Although the facts which have been collected, and the principles which are scknowledged, may have proved arificient for the guidance of engineers in the application of iron to works which are not exposed to an action differing materially from the estady load, yet there appears to be great doubt whether the experimental data and the theoretical principles at present known are adequate to guide them in designing iron bridges, when these are to be traversed by loads of extraordinary weight with

Act or raritament under which these inspections are made, enables the commissioners to disallow the opening of a railway, if their inspecting officer report that the line cannot be opened with safety to the public, on account of the incompleteness of the works, or the insufficiency of the establishment, and it is important that the public should understand to what extent, and upon what points, it is within the power of the laspecting officer to form an engine one which the

RAHWAY OPENINGS on w

## PROGRESS OF FRENCH MINING INDUSTRY.

[Vacually the attention of the public is almost wholly absorbed by the prosecution, for corruption, of Teste, Cubières, and Parmentier, before the Court of Peers; and the attention of the mining world is still more particularly fixed on the matter, for it has a peculiar interest in its eyes, finasmuch as the corruption took place with respect to the concession of a mine. The facts of the case are very simple:—A mine of rock salt was discovered near some coal pits, occupied by a company at Gouhemans. Parmentier, as the chief shareholder of the coal pits, remodelled the company, with the view of working the rock salt; and he then, in order to obtain the concession of the mine of rock salt from the Government, induced Cabières, a Peer of France, a general and an ex-Minister, to corrupt Teste, who was at that time Minister of Public Works. The concession was obtained, though it was not for so great an extent of surface as the company had desired; and Teste then pocketted about 4000l. The case has been fully brought home to the man Teste, and he has, indeed, confessed his guilt. So crushed was he by this exposure of his dishonesty, that he actually attempted to commit suicide. Sentence has not yet been passed on him, or his accomplices; but they will, of course, be punished with all the severity of the law. Apart from the moral iniquity of a Minister selling the privileges which it is his duty to bestow gratuitously, there is something particularly scandalous in making mining enterprises the subject of corruption; for the spirit of mining enterprise is not yet sufficiently developed in this country, to warrant its being made to bear the burden of heavy money sacrifices. ly fixed on the matter, for it has a peculiar interest in its eyes,

thing particularly scandarous in making mining enterprises in to yet sufficiently developed in this country, to warrant its being made to bear the burden of heavy money sacrifices.

The case has not unnaturally given rise to the suspicion that the mines of Gouhanans are not the only ones with respect to which corruption has been practised. Strange rumours are afloat; and among them is one to the effect, that certain concessions of iron and copper mines in Algeria could only be obtained at the expense of a sacrifice of about 80,000l., to a man who is now a Minister of the Crown. But these rumours do not repose on facts that are publicly known; and as the parties whom they affect will, of course, maintain silence, there is every probability that they will be allowed to die away.

The prosecution of Teste and his accomplices has exposed the stupid system by which mines, like everything else, is controlled in this country by Government functionaries. All mines, you are aware, belong to the Government, and are conceded for a trifling rent to companies. This necessitates the maintenance of a staff of engineers, clerks, superintendents, prefects, subprefects, and, heaven knows! what besides, each and all of whom have something to do, and an immense deal to say, before any company or private individual can obtain the necessary permission to work a mine. The consequence is, that there are months and months of delay, heaps on heaps of useless writing, and no end to useless talk. And as each of these useless officials, though he does no good, has the means of doing an immense deal of harm, it is not surprising that the unfortunate applicants for the concession of a mine should try the effect of a little corruption to hasten on the affair, or to keep off competitors. To blame the men who corrupt is childish, for they are warranted in promoting their own interests in such a way—there being really no natural immorality, if I may use such a phrase, in it; whilst considering how very badly the officials are paid, it is not sur

system is precisely the last thing which the Government will think of meddling with, because it affords them the means of finding petty places for their partisans, and for the "conscientious knaves," who vote for them at elections.

The past week has been a very dull one in the mining world. The only matter that attracts a little interest, next to the great Gouhenans affair, is the case of the Great Coal Company of the Loire. The local newspapers continue to wage war upon the company. One of the St. Etienne journals, which formerly defended it, has just passed into the enemy's camp. The Minnicipal Council is as stubbornly opposed to it as ever. The Deputies of St. Etienne are entrusted with a petition against the company, and signed by the majority of the inhabitants of the town; and they have given notice in the Chamber, that in the course of a very short time they will present their petition, and make their long-threatened attack on the devoted company. Meanwhile, the company continues its career calmly and-sphilosophically. I do not say it is indifferent to the attacks to which it is subjected, but it certainly gives itself no trouble to reply. Before the Chamber of Deputies, however, it will, probably, make a bold stand, for it is there that its battle has to be fought, and I am informed, that is feels very confident of gaining the victory. The question between the company and the St. Etienne people lies in a nut-shell. "The greater part of the immense coal-fields of the department of the Loire—the great coal district of France—are in your hands, and that constitutes a monopoly dangerous to us and the public." Such is the cry of St. Etienne. "But (urges the company) we can work those vast coal-fields cheaper than the small companies and the private individuals, to whom they were originally conceded, were affet to do; and, as we can work chaper, we can soil cheaper, which is clearly to your benefit." "True (says St. Etienne, but then how can I tell that you will not make me pay a good deal more for my coals

One of the provincial journals announced last week, that the Government had determined on prosecuting the company for an alleged infringement of the law relative to coalitions and monopolies, but I have reason to believe the statement erroneous. It is not likely that any prosecution will be made until after the whole affair shall have undergone discussion in the Chamber, and then only in the event of the Chamber showing itself decidedly hostile to the company—a thing which, I think, is hardly to be expected. In addition to the contracts already announced to be received by the Minister of Marine, are others for 30,000 kilogrammes of zinc for Cherbourg on 7th August; 45,000 kilogrammes of coal for Bordeaux the 30th inst.; 150,000 kilogrammes of Prench cast-iron for Lorient on 7th Aug. St. Dizier, 8th July:—The demand for fers is still feeble, and confined to some assortments. In some establishments the price of fers buttus has declined 10 fr.; bargains have been made at 370 fr. and 380 fr. fers.

to some assortments. In some establishments the price of fers battus has declined 10 fr.; bargains have been made at 370 fr. and 380 fr. Fers lamints are still quoted at 380 fr. and 385 fr., delivered at St. Dizier; and at 400 fr. delivered at Paris. At Paris, prices keep up, notwithstanding the stagnation of affairs. We have not yet received intelligence respecting the iron fair at Châlons-sur-Saone, on which much opision was entertained. The newspapers mention that a mine of rock sait, 400 ft. in depth, has been discovered in the Duchy of Brunswick, near the capital. It is said to be 1800 ft. below the surface, and of great richness.—Paris, Wednesday.

BELGIUM.—There is nothing stirring of importance in connection with mining matters in this country. The Hauts Fourneaux of Sclessin, near mining matters in this country. The Hauts Fourneaux of Sclessin, near Leige, are paying 50 fr. for interest to 30th June, and 24 fr. for dividend. The general assembly of the shareholders of the Hauts Forneaux, &c., of Marcenille and Couillet, will be held on 12th of August. A few days ago, another iron steamer was launched from Cockerill's establishment for the Dover and Ostend stations. The metallurgic establishments intend to make a great show at the Exposition de Pladustrie. Cockerill's have sent a round iron bar lumine a ton weight, and 20 ft. long—said to be the largest ever made in Belgium. Derome, Cail, and Co., send a splendid steam-engine.—Brussels, Tuesday.

FOREIGN GRANITE.—The vessel Fanny, arrived in the Surrey Canal, from Gull Island, west coast of Africa, has brought an entire carge, comprising 300 tens weight of granite. Large quantities of granite, in a broken, as well as whole, state, are imported from Guernsey, and also from Normandy, but we have not met with an importation of granite on a previous occasion from any place on the African coast, and this notice of the arrival will not be devoid of interest.

## THE MINING DISTRICTS.

By the 5th and 6th Vie., cap. 99, powers were given to the Secretary of State for the Home Department to appoint a commissioner for the purpose of inquiring into the operation of that Act, and the state of the population of inquiring into the operation of that Act, and the state of the population in the mining districts. Mr. Seymour Tremenheere was appointed the Commissioner in 1843, and we have now before us his second report on the above subject. After alluding to his former report, he states, that in the South Wales district some convictions had taken place for employing females underground; but the disposition on the part of the women among the colliery population is so strong, as to require a constable to watch the suspected pits. The practice of paying wages at public-houses—an offence under the Act—also requires the vigilance of the law, as the practice is much encouraged by the contracters, who raise the coal and ironstone, as they generally either keep a beer-house themselves, or have relatives who do; and the co-operation of the proprietors of two of the largest iron-works (the Dowlais and Cyfarthfa) promised to go far to mitigate the evil. The employment of boys under 10 years of age still exists in all the mineral districts to a considerable extent, and the Commissioner recommends that greater powers be given than the Act at present contains, and that no boy who has arrived at the age of 10 years shall be allowed to work in a coal mine, unless he can produce a certificate, proving that he has attended a school, or schools, for 48 weeks altogether, from the age of seven years.

Northumberland and Durham.—The Commissioner entered upon

mine, unless he can produce a certificate, proving that he has attended a school, or schools, for 48 weeks altogether, from the age of seven years.

Northumberland and Durham.—The Commissioner entered upon the question with nearly every gentleman engaged in managing the most important collieries, and found them, without exception, favourable to any plan, simple in detail and easy to carry into effect; and there is a very general disposition to receive any measure favourably, which would compel colliers to send their sons to school. In Scotland, also, the largest proprietors are exerting themselves to improve the morals of the men and instruct the children. The combinations of the workmen has done much injury to the iron manufacture, thrown an extra charge upon capital of one-third, and deprived the men, on an average, of at least 5s. per week. The following comparison will show the competition the English manufacturer has to contend with:—A knife manufactured at Solingen, Rhenish Prussia, at 5s. 3d. per dozen, would cost at Sheffield 9s. 2d.; scissors, manufactured in Prussia at 7s. 1d., would cost 12s. per gross; and common gimblets, manufactured at Hamburgh, which cost at Brimigham, including duty and carriage, 5s. 6d. per gross, could not be made there under 7s. 6d.; and an ornamental cast of the statue of Guttemburgh, made at Hamburgh, price in Birmingham 9s. 6d., would cost to make at that place 25s. Three or four years ago, one-half the produce of the seriew trade, in which there are in Birmingham about six makers, went to America; while at present only about 5 per cent. finds its way there. In the counties of Northumberland and Durham the capital employed, in 1846, is estimated at 10,000,000, months of the major proprince of 10,919-horse power, and drawing engines 8285 horses, capable of raising 57,713 tons of coal daily, or 15,005,000 tons per anum, of 260 days; and the total vend of coal has increased from 2,520,075 tons in 1800, to 6,790,993 tons in 1845.

Youkshirk——The colliery population here has b

YORKSHIEE.—The colliery population here has been conspicuous for this effects of the employment of females underground; a marked improvement is in progress—the women have been excluded from the pit banks, as well as from the pits, and they are now employed at home looking after their children, and other household affairs; great improvement has also taken place in the means of education.

also taken place in the means of education.

SOUTH STAFFORDSHIRE.—Efforts are making to supply in some degree the deficiencies in the means of education, which have been so often shown to exist among the mining population of this district. The disposition of the leading employers is evidently to proceed steadily in this work. The children are estimated at 30,587 under 15 years of age; only one-fourth of this number attend schools of any kind, and more than one-half are attending Sunday schools, leaving the other half, or, in round numbers, 15,000 children, in one district, only a few miles square, growing up without any apparent instruction whatever. A proof of the growing improvement among the colliery population in this district is, the fact that the deposits in the Bilston Savings Bank have increased from 510. in 1839, to 8576. in 1846. The number of persons employed in the coal trade in Durham and Northumberland is—on the Tyne, 6515; in collieries on the River Wear, 13,172; and on the Tees, 4211—total, 33,898.

Vertication of Collieries.—This subject having of late attracted

1839, to 8576L in 1846. The number of persons employed in the coal trade in Durham and Northumberland is—on the Tyne, 6515; in collieries on the River Wear, 15,172; and on the Tees, 4211—total, 33,898.

VENTILATION OF COLLIERIES.—This subject having of late attracted much painful notice, in consequence of the numerous explosions which have taken place, accompanied with great loss of human life, Mr. Tremenheere states, that he has availed himself of every possible opportunity of gathering the opinions of owners and managers of collieries, viewers, mining engineers, and other persons possessing scientific or practical knowledge, or both, as to whether it might be possible, by any aid or interposition on the part of Government, to diminish the risk of these explosions which cause such frightful sacrifice. The result of these inquiries have led him to adopt the opinion, that the only kind of inspection on the part of Government, which would not be liable to grave objections, would be inspection without compulsory powers of interference; and that such inspection, conducted by gentlemen uniting scientific with practical knowledge, would tend to diminish the frequency of fatal colliery explosions. The circumstances of individual collieries must vary so greatly, and the conditions under which they can be profitably worked are so numerous, depending upon the position and value of the coal, the tenure of the person working it, amount of dues or royalties, command of markets, &c., that an expense for the purposes of ventilation, which might be easily borne by one coal work, might render a neighbouring one profitless; and to confer on an officer of Government a power of compelling the proprietors to conform to particular details, in the management of ventilation, would be to transfer the responsibility from the owners to Government; but inspection, without compulsory powers of interference, he thinks would be useful and yet unobjectionable. A surveyor of mines, being appointed to a particular district, would proceed, perha frequently found that fatal casualties had occurred, which were never heard of beyond the locality, and which might probably have afforded good grounds for investigation on the part of Government, had the circumstances come to light. The Commissioner theu describes the plan of ventilation adopted and recommended by Mr. Gibbons; he had an interview with that gentleman, and found him decidedly adverse to compulsory interference; but, in common with other leading proprietors of collicries, with whom he communicated, he is disposed to anticipate very useful results from Government inspection without compulsory powers, but, designed to diffuse information and stimulate improvement.

signed to diffuse information and stimulate improvement.

EMPLOYMENT OF FEMALES UNDERGROUND.—Several convictions have been obtained against owners and managers of collieries for illegally persisting in the employment of females. The colliery population in the neighbourhood of Wigan and Chorley pertinaciously adhere to the practice, where they think they can evade the law; and in this district they seem sadly behind the rest of the community in civilized ideas and habits. This is also one of the few remaining where owners are found who are willing to connive at the employment of females in their collieries; and this unfairness to other proprietors, who obey the law, is cause of well-founded complaint; constables are appointed to watch the pits. In Scotland, the practice has been completely put an end to; and, during the year, only one case for prosecution occurred, which was at a colliery, near Alloa.

COPPER BOATS.—After the engagement which took place against the Cochin Chinese, the sailors of the Victoriess perceived several small boats floating about. They were picked up, and found to be formed of thin sheets of copper, without any mixture of wood in their construction. They are to be sent home, and placed in the Naval Museum.—Freuch Paper.

THE SILVER AND GOLD MINES OF THE NEW WORLD. ECOND FART.—ON THE FUTURE PROSPECTS OF THE MINES OF AMERICA, COMPARED WITH THOSE OF EUROPE.—NO. U.

If we admit the wear at 1 per 360, as adopted by Mr. Jacob, and in leav ing out, as he has done, every other cause of disappearance, we shall find that 1,000,000,000 would be reduced after a century to 755,000,000, after 500 years to 240,000,000, after 1000 years to 60,000,000. Thus, with the searcity of other metals that would have answered the same purpose. The conquistrators filt verticable enthusians when they saw the really magnificent presents of Montesuma exposed before them, and when they entered the palaces and temples of Peru, which were splendid with gold but when they saw Potosi and its rain of allver, they feltshe very exaltation of delivium. This time, as we stated in the first part of our paper on the Silver and Gold Mines, they had discovered infinite wealth. It was only from this moment that the price of things in Europe underwent great changes. The spoils of Montesuma and of the Incas, which have been so much vanuted, were insufficient to produce anything resembling a revolution in the comparative value of articles and of the precious metals. All the gold which the Pizaras and Almagro took from the temples of the Sun was only of the value of 800,000%, less than 12,000 lbs. Supposing that it was all in gold's, it would have made a mass of only one-third of a cubic metre. All the booty made at Tenochiticlan (Mexico), after the memorable siege sustained by the valiant Azidques aguinst Cortex, would not make, according to the estimate of Bennal Dias, which is double that of Cortex himself, more than 1125 kilz.—In volume it would not be two-thirds of an hecitolitre. Ferdinand the Catholic, who lived to years longer than Columbs, and who, consequently, reigned 24 years after the discovery, died so poor that there was great difficulty in providing for like formers, and in giving involving a continuous and the providing the providing the providing the providing the providing of Mexico, and Peru were added to the crown of Spain, frequently experienced, according to M. Ranke, great perusy. Bus the discovery of Potosi, which dates from the middle of the sixteenth century (1545), prought as last an abundance of silver, which had been hoped for till then, attended to the providing the

pretends to fix an absolute relation between the two metals, is vicious. There must be one of two things: either one metal must form the legal money, and that is what England has caused to be done in choosing gold; or, if it be thought right to allow both, it is necessary that they be independent one of another, and that each of the two monetary unities be in a simple relation with the unity of weight. Thus, as a franc is in weight 5 grammes of silver to the standard of nine-tenths of pure silver; the piece of gold ought to have a weight of 5 or 10 grammes at the same standard, inasmuch as we have adopted the decimal system in an absolute manner. Usage would afterwards have settled, at every moment and for every transaction, the relation of one of the metals to the other: contracts would have to specify separately the conventions of the parties in one or other metal. By having determined that a piece of gold, containing 5 grammes 806 millièmes of pure metal, should be 20 francs, after having defined the franc to be 4½ grammes of pure silver, the French Government has forced gold to fly from the French soil. The Spaniards were better advised when, they took a determined weight as the unity of both gold and silver money. They put 8½ piastres of silver in the Spanish mare, and the weight of the quadruple in gold is the same as that of the piastre.

In Asia the relation of the two metals is quite different. In Japan, where gold is most abundant, it is from 8 or 9 to 1. In China it is higher; at the commencement of the century it was from 12 to 13, inferior to what it is in Europe—but at present it is at about the same point as in France.

One must be much struck at what the production of gold in the New World has become since the end of the last century. From 14,000 to 15,000 kilogrammes represent about three quarters of a cubic metre, or a

In reality there was a certain quantity silver—about one-seventit
 See the discussion of M. de Humbolds on this subject, in the No. iii. page 421.

aphere of about 56 centimetres in diameter. This diminution has taken place in Brazil. The production of gold in the New World is now very little more than what that empire alone yielded 90 years ago. During the first quarter, and, probably, the first half of the sixteenth century, the mass of gold was greater, I do not say in weight, but in value. The conquerors made booty of a great deal of gold which the natives had gathered on the surface of the soil, where it existed in the native state, and with which they had ornamented the temples of their gods and the palaces of their princes. What they brought of it to Europe caused universal astonishment. From 1645, however, to the commencement of the seventeenth century, silver obtained the superiority in a remarkable manner.

[To be continued in next week's Min.a. Journal.]

### THE COLLIERIES BILL

THE COLLIERIES BILL.

In the House of Commons, on Wednesday ovening, Mr. T. Duxcoms, after presenting a potition signed by 8000 persons in favour of this bill, said, that the House was aware that a larger bill upon this subject had been rejected on a former occasion, and that the present measure applied only to fiery collieries, in Staffordshire and Lancashire. In these counties safety lamps were always obliged to be used, but, strange to say, the use of gunpowder was permitted. The system of blasting with gunpowder was followed in the north of England without danger, but in mines where sulphur was always floating about it must be obvious to everybody that blasting with gunpowder was a very dangerous proceeding. The bill was divided into two parts. The first four clauses gave power to the Secretary of State to demand information as to the state of the mines, and to require a map thereof; and when information was given to him that a mine was dangerous, he was empowered to send down inspectors to view it, and to report to him their opinion. The fifth and six clauses related to the use of gunpowder. If, however, these clauses were supposed to go too far, he was ready to accept the bill without them. He hoped the House would agree to the second reading, and that the house would not separate without endoavouring to protect the lives of a very industrious portion of the community. He accordingly moved that the bill so read a second time.

Set G. Gark regretied that the hon. gentleman should again bring forward a measure on the sart of side what had passed the other day, and after an expression of opinion on the sart of side with had passed the other day, and after an expression of opinion on the saft of side with the propose of inspecting mines when an accident had been cased the other day, and after an expression of opinion on the saft of side with the propose of inspecting mines when an accident had been cased under the proposed to the regulation.

Mr. Hutzher and, he was convinced than to bill for the regulation o

ELECTRIC TRIEGRAPH COMPANY.—This company is now erecting spacious premises in Lothbury, where the wires from the different railway stations will be brought under the streets to their several departments, and where the public premises in Lothbury, where the wires from the different railway stations will be brought under the streets to their several departments, and where the public will have access for the communication of messages with the principal towns of the kingdom. From an inspection, at the temporary offices of the company in the Strand, of the instruments and apparatus constructed for the various operations connected with the transmission of intelligence, and the contemplated schemes, when brought fully into play, they promise to realise advantages to the mercantile world, as well as to private convenience, the extent of which defices all calculation. They have an apparatus by which it is proposed to furnish the principal subscription rooms of the towns within the compass of the telegraphs, either laid, or laying down, with daily Ship, Share, and Stock Exchang? Lists, Prices Current, and all other fluctuating news of a like kind. The machine, by which this is to be effected, is capable of transmitting from 1000 to 2000 letters a minute. It consists of a metal roller, upon which presses a spring in connection with the wire extended between the two given points of communication; the roller being attached to one pole of the battery, and the earth to the other, the electric current flows continuously down the wire—but if a slip of paper, which is a nonconductor, be placed between, with a scries of holes punched out upon it, as long as the springs are separated from the roller by the paper no current passes, but the paper being drawn rapidly along as the springs come in contact with the cylinder by passing a hole, a current of electricity traverses the wire, producing upon the paper at the other on an analogous black mark. These rollers being set in motion by machinery so as to pass 3000 or 4000 perforations a minute, arranged according to a system, beneath the spring, a lengthened correspondence may be completed in a very short time. The methines, it is asid, will-be so arranged according to a system, beneath the spring, a leng

ELECTRIC TELEGRAPH PROJECTED FROM TRIESTE TO HAMBURGH.—The ELECTRIC TELEGRAPH PROJECTED FROM TREEFE TO HAMDURGH.—The Austrian Government, which has just had an electric telegraph established from Trieste to Odersburg, a point where the North Railway of the Emperor Ferdinand joins that of Silesia, has proposed to our Government to prolong this telegraphic line as far as Hamburgh, which will be of great utility for trade, especially now the Indian mail comes by Trieste. In this manner the most important Indian news could be transmitted in a few minutes from Trieste to Hamburgh, and from thenge a steamer could transport it to England, where it would arrive much sconer than by the mail. The negotiations on this point have been entrusted to the Aulic Counsellor, M. D'Esch, who has been at Berlin for some time, entrusted with the mission of laying the basis of a new postal agreement between Austria and Prussia. The interviews which have raken place relatively to, this object, have already suggested to the Previous postal agreement between Austria and Prussia. The interviews which have taken place relatively to this object have already suggested to the Prussian Government, the project of expediting, henceforward, the correspondence for Eagland by France, through Boulogne or Calais, which would produce a saving of 24 hours, and sometimes of 48, over that of Hamburgh, which is now adopted.

BRETT AND LITTLE'S ELECTRIC TELEGRAPHIC CONVERSER.—Having heard ch of the electric telegraph patented by Messrs. Brett and Little, and that it is likely to prove far superior to anything of the kind yet made public, are glad to notice that the patentees are only waiting until the 12th of Au when they will be prepared to grant licenaes for its use, without wishing restrain companies who adopt it to mere railway purposes, but also empower them to employ for commercial and other communications. We shall then enabled to give a full description of the principle and the apparatus employed.

IMPROVEMENT IN THE ELECTRO-MAGNETIC BATTERY .- We are informed Thereovement in the Electro-Magnetic Battery.—We are informed that Mr. L. B. Swan, of this city, has discovered a new solution, or exciting liquid, for the galvanic battery, which promises to be of great utility to telegraph companies, as it is a saving of 75 per cent. in the materials employed, besides a large amount of labour and attention. The improvement consists in furnishing an exciting liquid, which produces an electric and galvanic current of uniform power and intensity, without the rapid decomposion of the metals and acids, heretofore supposed unavoidable. The solution discovered by Mr. S. does not act chemically on the mercuriel amalgam, and with such trifling action on the zine as to be careely perceptible. Mr. Barnes (the intelligent elegraph operator at this station), informs us that he has used this solution for 45 days, without alteration; no fresh amalgam or acids have been required (except to supply the ordinary evaporation), and without any perceptible destruction of mercury or sinc; during which time the battery has been in constant and efficient action.—Rochester Advertiser (United States.).

## Original Correspondence.

THE LEAD TRADE.

Sir,-In your Journal of July 10, you mention that parties in South Wales are likely to sell their ores in future by tender. They will do wisely in seeking a public market, instead of sending (or rather abandoning) their ores to Holywell, to be disposed of there according to the fashion of that place. It is, unfortunately, too much the custom with miners, in their anxiety to make returns, to press their produce upon the market: but I do not agree with you, that large stocks of ore can be now purchased at the present prices. The exorbitant price that has lately been demanded for labour, owing to the price of corn, and amounting to 30 per cent. on 4-5ths of the disbursements of a mine, which consist principally of labour, must have retarded the get. Miners should consider, that when a quantity of orey vein is won, that that forms a treasure, in bank as it were, and should not be sacrificed. A striking example of the benefit of a prudent reserve in this case was shown some years ago by Mr. Lewis Pugh, when he was in possession of the Cwmystwith Mine. Instead of swamping the market, and grasping at a large, but temporary, return, as premium-secking companies would have done, and as the smelters at Holywell wished him to do, he held his ore for a proper price, although he had it in his power to pour a quantity into the market.

Your remarks on the folly of companies withholding the funds to make a mine good are very just. In nine cases out of ten it is only a large and long outlay that can properly bring out a mine. The famous East Wheal Rose, which is said only to have 7 cwts, of ore to the fathom, is, from the circumstance of having a soft side to the vein, enabled to command a large and extensive excavation quickly. The great expense of timber to support the vein afterwards is, however, a drawback against this advantage; but let it be supposed, that another vein, containing ore of equal value, but in quantity of 10 to 12 cwts, to the fathom (but in hard ground, which requires 50s. per fin. to stope), is to be put in comparison with the East Wheal Rose. How is the hard mine to be placed in a position to that place. It is, unfortunately, too much the custom with miners, in their

which requires 50s. per fm. to stope), is to be put in comparison with the East Wheal Rose. How is the hard mine to be placed in a position to compete with the soft one? Why, by expending a large capital in opening her ground, and waiting until her ground is extensively opened, then, by being enabled to attack the vein with a large number of hands at once, she will be enabled to compete with her more speedy adversary.

Machynlleth, July 11.

CARDIGENSIS.

MINING IN AUSTRALIA.

Sir,—Observing in your valuable Journal of the 22d May an article, stating, that the barque Rookery, which had shipped 170 tons of ore, was obliged to put back to Launceston to discharge, fears of spontaneous comobliged to put back to Launceston to discharge, fears of spontaneous combustion of the cargo being entertained by the captain. I notice, that you mention this might be avoided by roasting the ore, and in this I perfectly agree with you; this process, however, if pursued there, as generally practised in England, would entail considerable trouble and expense. I know not how far, and at what price, coals are to be obtained in the vicinity of the Kaw-aw Mines, or any of the newly-discovered lodes in the Australian regions; certainly, if they could be obtained at even double the price they cost in England, it would be more economical in every way for the colonial miner to reduce his ores to cake copper on the spot. The simple process of roasting, if there is wood in the neighbourhood, would cost but trifling, as a few fathoms of wood will roast from 200 to 300 tons of ore; and the other processes, by a judicious union of the English and German methods, would be comparatively simple, and not expensive, as by this combination several of the ulterior operations are materially diminished.—A SMELTER: Christiana, July 2.

ACTION OF SULPHUR UPON IRON.

Sin,-I think but few parties will be found to dispute the fact, that the action of sulphur upon iron is injurious to the metal. I have, for a num ber of years, devoted great attention to sulphur, its nature, and properties and to the action and effects of its various combinations; upon these I can venture to express a decided opinion. When coal contains much sulphur, or pyrites, simple coking will not separate the whole of it. A portion of sulphur, certainly, is dissipated by the partial burning of the coal; but enough remains to have an injurious effect upon iron smelted, or worked, with such coke. The manufacturers of iron in Great Britain entertain an idea, and express it too, that they have attained a state of the very highest perfection. In their mechanism, and the application of mechanical power, there is, doubtless, much to admire; but of the fundamental principles, relating to the changes going on in smelting and forging iron, I feel compelled to express my opinion, that they are very deficient in knowledge. I ventured last week to make some remarks upon calcining ironstone; whether these will be attacked, or not, remains to be seen. In the treatment of ores and fuel for the separation of sulphur, the use of steam, at a high temperature, will be found the most effectual application. To accomplish this, I only know of two means—one, by Kymer and Leighton's patent grate; the other, by heating the steam, as air is heated for the hotblast, previously to passing it through the materials—the latter will come under Mr. Perkins's patent. I take the liberty of intruding a little upon your indulgence, to give a brief outline of the arrangements which I contemplate for the use of the former in coking sulphury coal. The grate to be set in mason work, so as to form a close ash-pit, and an arch turned over the grate from side to side, leaving the two ends open. A fan-blast is required to blow into the ash-pit; but no blast is to be used over the fire, and a requiste supply of water for the grate. At one end the coal is thrown in; and at the other it is withdrawn, when sufficiently ignited, and acted upon by the vapour. Below the withdrawing end, a close deep kiln is to be built, having an opening at bottom, with a close iron door to fi and to the action and effects of its various combinations; upon these I can venture to express a decided opinion. When coal contains much sulphur,

GOVERNMENT INTERFERENCE IN MINES.

as a working collier almost from my infancy, I request the insertion of a few remarks in defence of the attack made upon me and my fellow workmen, by parties either directly or indirectly interested in the working of mines and collieries. In last week's Journal I observe a letter by Mr. D. mines and collieries. In last week's Journal I observe a letter by Mr. D. Mushet, headed "Government Inspectors," in which he wishes to prove that inspectors can be of no new whatever in mining operations; in which opinion I most entirely differ with him. I am fully persuaded, that were such instituted, a saving of life and property, to the extent of 50 per cent, would be the result. I would ask, would not inspectors be able to ascertain whether speast shafts were extensive in their area in proportion to the downcast? can they not compute and regulate the distances that collicries and mines should be worked with safety without additional shafts? should not the system, now practised in the coal districts of the north, of extending the workings in all directions two or three miles, without additional shafts, be put a stop to? This is one of the greatest evils we have to contend with; and while Mr. Mushet says 99 casualties out of every 100 are caused by the carelessness of the workmen, I contend that 99 out of every 100 are sacrificed to the screwing, economical system of working the pits to a most preposterous extent, in connection with only one shaft for both up and downcasts. This has been the cause of the loss of more valuable lives, and the destruction of more property, than all the acts of all the careless miners in Great Britain put together. As a proof of the correctness of this observation, I need only call attention to the explosions at St. Hilda, the Jarrow, and other collieries, where the enormous distances the men had to travel after the explosion was, doubtless, the cause of death. Let masters only do justice to men and mines, by instituting a more perfect system of ventilation; and the carelessness of the workmen will no longer be the cause of those fearful explosions, but the onus will be thrown on the proprietors and their managers. Sink us more shafts—conduct the air down them—sweep every nook and corner of the mine—and then you bestow upon the miner a boon, which the Government is in duty bound THE NEW MINING BILL

THE NEW MINING BILL.

Sir,—It is certain this embryo is better than its predecessor, so quickly extinguished—a bubble burst in rising; more strictly, it is less bad, but it is obviously entitled to no praise. What hasty legislation! I improvement cannot be blundered on at hazard. How should those who have just escaped an error stumble on an achievement? Mr. Hume, it is trae, is substituted for Mr. Duncombe; but is this enough? or is a bet or bond depending, that a law must be made, for the sake of making it ad interin until Aug., 1848? It professes to give security for that time. Will it increase even the shadow of security? I repudiate legislation, until a subject is understood, and time taken to construct an effective measure. Burning with the caccethes legislandi, the authors think they have now somewhat. By a rare clause, no lights but lamps are to be used in mines until Augus, 1848. Mere nonsense, were it not tyranical. What are we to do in the Forest of Dean, where no lamp was ever seen or needed? Pray, honourable Members, light your candle with the bill speedily, to turn it to a useful purpose. Who are to be the informers? for the prohibition must be absolute, without exception. It would not be less anomalous to command lanthorns alone in private houses, until August, 1848, because snuffs have set houses on fire. Candles may be taken out of lanthorns, and lamps may be unscrewed; and this is the fact in many late explosions. Mr. Editor, search your varied resources, and furnish Messrs. Hume, Aglionby, and Co., a harmless subject ere the session expires, that their generous ardour may be expended—that they may make a law.—David Musher.

Gloucester, July 13.

Editor, search your varies resulted and Co., a harmless subject ere the seasion expires, that their generous ardour may be expended—that they may make a lase.—David Musieer. Gloucester, July 13.

WORKING AND VENTILATION OF COLLIERIES.

Sin.—In the letter of Mr. G. Shepherd, C.E., it is evident, from his own confession, that he has never examined the colliery workings abroad, although he has the temerity to assert that they are so well conducted as to be a pattern for ourselves; and that the cause of such superiority is from their being conducted by educated men. How disgraceful it is for men who profess to be better informed than their neighbours, to hazard opinions on subjeats with which they are totally ignorant, and merely from hearsay. While Mr. Shepherd, like all other sky gazing, surface miners, sets down the colliery viewers as the most ignorant dolts in existence, is would be well if he would school himself a little, and thoroughly understand a subject before he ventures to suggest improvement. His steam flue is all of a piece with what he has before written—it is worse than useless. I can assure you, Mr. Editor, that there are many mineral surveyors in our coal districts, who, in addition to their own peculiar profession, are capable of undertaking, with credit and success, any railway, or other civil engineering project, and at far less cost than has ever yet been accomplished by the C.E.'s of the past or present day, and who could drive a tunnel all the way from London to Bristol, or Birmingham, for what those railways cost at surface. With respect to plans and old workings, Mr. Shepherd's remarks are unworthy of notice. We have plans by which we always know our position underground, with respect to other workings; and as to not touching old works, it is ridiculous to suppose so much coal can be afforded to go to waste, as would be the case if we were to leave walls of coal between every new range of work. If Mr. Shepherd is a railroad engineer, he had better stick steadily to his own profession, and

Mr. SHEPHERD'S PROPOSED SYSTEM OF VENTILATING MINES.

Sir.,—On examination of Mr. G. Shepherd's plan for constructing a ventilating furnace at surface, I am confirmed in the opinion which his former excetch led me to entertain, that the effect of such an arrangement would much resemble what was pointed out as likely to result from his first scheme on this subject. When I requested Mr. S. to furnish your readers with details for the construction of his furnace, I especially asked for information, as to the manner in which he proposed to supply the fire with air for combustion; and, by his sketch, it now appears that the principle adopted is exactly that of the common steam-engine furnace. The practical effect of such an arrangement as this would be merely to cause a rapid draught through the fire, and the upper part of the climney, and to induce nothing more than a sluggish current in the flue below connected with the upcast shaft—of very small serviceable value for the purpose required. To render the furnace at surface really neefful, the air that feeds the fire must be obtained from the adjoining upcast shaft by an opening for that purpose, beneath the bars, and on no account from the calculation, which ought to be carefully shat out by close-fitting doors above and beneath the bars, to be opened only for the short puriod required for replenishing the fire, or taking away the refuse cinders. I am very scalarful, also, as to the benefit which might arise from the admitted for believing that the heat required to generate the steams, would prove more eliciant in its effects, if conducted directly into the chimney, rather than if passed through a body of water, to be afterwards discharged in heated vapour; and I am quite certain such a plan would be objectionable, economically, and, in many situations, would entail considerable difficulty. Much has been said by Mr. S. about the known laws of Nature, and the utter ignorance of the poor abused ground bailiffs, in reference to those laws; but the repeated misapplicat MR SHEPHERD'S PROPOSED SYSTEM OF VENTILATING MINES

Mr. G. SHEPHERD'S SYSTEM OF VENTILATION.

RESPECTED FRIEND,—I expressed myself, in my letter of June 30, that the system of ventilation, proposed by Mr. G. Shepherd, C.E., in his lecture, had been in practice in the shallow works of Shropshire. This is well known by aged persons in the parishes of Madeley, Benthall, Broseley, Willey, Barrow, Dawley, and Wellington. This, probably, his own experience has not shown him, but his forefathers, I doubt not, were well acquainted with it; but extended experience has proved its inutility in the deeper mines of this district, and it has given way to a better and more powerful system.—Obadian: Lawley Bank, 7 mo. 15.

VENTILATION OF MINES—Mr. GIBBONS'S SYSTEM.

Sin,—\* \* In reply to your correspondent, Dr. Murray, in last week Journal, and as I am anxious the already lengthesed controversy on this subject should be brought to a close, I will here give my views of the system i detail, and then Dr. Murray will be at liberty to reply to them separately, and I hope, without alluding to me personally. I will, first of all, give a description of the mode of ventilating the colliery I before alluded to, as having raises more than 200,000 tons of coal without the sacrifice of a single man or boy There are two shafts 38 ft. area each, about 120 yards deep, 10 yards apart and both on the same level. The gate or horse-roads are about 120 ft. area each, driven on the bottom of the coal, of course, and connected at the further extremity. The air descends the one shaft, takes the course of the sp road and returns down the other to the upcast shaft, where a small fire is kept, where required; an ordinary shovelful of fire is capable of producing the most wonderful effects upon the ascending current, in consequence of its being simes entirely devoid of friction, from the size of the air-passages, which is produced. VENTILATION OF MINES-MR. GIBBONS'S SYSTEM

D

my inform therefore, have a sup he substa ructed, r

as J. Wall in the ordifor wrong! Son, at Li On Iron as would be a less than d lished in yeary superi very superi the principl lurable fab upport of it opy the art asing it through small air heads of 7 ft. area, and less orkings being at an angle of 25°, or more—consequently

in other cases by passing it through small six-heads of 7 ft. area, and less. A portion of these postings being at an angle of 20% or more-consequently, and the state of work become highly charged—nothing more remains to be done thus upply a small quantity of fire at the bottom of the upcast, and, in a quarter of an hour, the whole pit is free; the superfluous current moving without searcely any friction, sweeps the most elevated spot, drags down and carries away with it the deadly invader.

Now, as to Mr. Gibbona's system, to "begin at the beginning," will be first the speak as to the capabilities of the shougated shaft, or ventilating stack, rising (say) 30 ft. above the level of the shaft; this stack is 12½ ft. area; a furnous for a restriction in the construction and more and the state of the sta

COPPER SMELTING-ERRATA.

Sin.—I beg to correct an error in my short notice, in last week's Journal, of a new project connected with copper smelting. You have it, that ammonia and sulphurous acid form sulphate of ammonia; instead of which, sulphite of ammonia would result from the union of ammonia and sulphurous acid, but which I have no doubt a good chemist could easily convert into the sulphate, a valuable salt, &c.

JUNITER ASSESS.

Snemee, July 12.

ADCOCK'S SPRAY PUMP.

Snt,—I cannot but think that a more detailed description of this invention, with necessary illustrations, would prove very acceptable to the readers of your Journal—in which we naturally look for a perfect report on all matters of interest in the scientific world. Mr. Adcock's pump, after all that has been written on the subject, both for and against, appears, from the notices in your late Numbers, to be of far more value to miners than was generally supposed, and I should be glad to find my suggestion attended to.—J. M.—s: Battersea, July 12.

[We shall certainly comply with the wish of Mr. J. M., and publish, in an early Number, a detailed description of Mr. Adcock's pump, with engravings.

IMPROVEMENTS IN TELEGRAPHIC COMMUNICATION. X

IMPROVEMENTS IN TELEGRAPHIC COMMUNICATION. SIN,—I have read with much interest a description of Mr. Bain's improvements of the electric telegraph; the introduction of the perforated paper I consider as eminently adapted for private or commercial purposes whese improvements will enable each commercial firm to communicate in their own private signals of characters, and by such means it will render their communication as private as per post. But, if I am not mistaken, the electric action on paper, and other substances, prepared for that purpose by chemical solutions, were some time since patented by Mr. Baggs, the electrician, and which Mr. Bain, as it appears to me, has but applied to telegraphic communication. If I am wrong, I should like to be informed.—G. Shepher, C.E.: London, July 14.

TRANSIT OVER RAILWAY BRIDGES.

TRANSIT OVER RAHLWAY BRIDGES.

SIE,—Might not the security of long bridges be considerably increased by lengthening the coupling irons of trains, so as to extend them over a larger space whilst passing over, instead of the whole weight being crowded upon a comparative point of resistance as at present? Would not iron chains answer the purpose; and could not some cast off and recoupling apparatus be employed? When it is considered that a single accident appals travellers, and lessens traffic, not merely by non-working, but by terror, something may be done even by those who have a horror of Lord Brougham's sobriquet of "humanity-mongers."

A. T. J. MARTIN.

Penzance, July 12.

THE MENAI-BRIDGE TUNNEL. RESPECTED FRIEND,—In reply to John De la Haye, I beg to state that my informant, relative to the Menai Tunnel, was Professor Hodgkinson, and, therefore, conclude I was not misinformed; if, however, it be intended to have a support at the centre (which I should most certainly advise), then have a support at the centre (which I should most certainly advise), then the substance of materials will be amply sufficient, and, if properly constructed, no danger need be apprehended. I am aware that the tunnel, as J. Walkinahaw observes, might be assisted by suspension, either above, in the ordinary way, or below, by an enlarged medification of the plan for wrought-iron viaducts, which I submitted to George Stephenson and Son, at Liverpool, and which was published by Dr. Lardner, in vol. 24, On Iron and Steel, in the year 1831; but either way I should consider would be a very expensive mode for obtaining the object, probably not less than double the cest of the plan I submitted for the Clifton-bridge, published in your Journal, 22d of May last, which would, in my opinion, be very superior, inasmuch as its principal support would be derived from the principle of compression— and, therefore, be a firiner, safer, and more turable fabric, than if mainly depending on the principle of tension for the urport of itself and its loads. Perhaps it might be useful to the public to opy the article alluded to in Dr. Lardner's Cyclopædia, reviewing which see no reason to doubt the general conclusions, excepting in consequence

of the great advance in iron and labour, something like 20 or 30 per cent. ought to be added; I have no doubt, at the present price of materials and labour, that a substantial and very durable foot, or light carriage, bridge, 50 feet span, from 8 to 12 feet wide, including every expense (except walls to rest upon), might be made at a cost of from 804 to 1004; of the same span, 12 to 16 ft. wide, and sufficiently strong for an ordinary road bridge, for 1604 to 2004; and of the same dimensions for a single line railway, capable of sustaining, with absolute and perfect safety, the most ponderous engines and carriages (and their loads), now in use, for from 3004 to 4004; and bridges double the span—viz.: 100 feet—at about three times the cost of each respectively.—Thomas Motley: London, 7th mo. 13.

"The article is referred to in an editorial notice on the subject.

\* The article is referred to in an editorial notice on the subject.

THE MENAI TUNNEL.

RESPECTED FRIEND.—I beg to submit, that in alluding to the Menai Straits Tunnel, in my last letter, I did not mean to invalidate the statement of T. Motley, as regards the strength of the tube, based on its length, but simply as to the diameter, and the quantity of metal required. The centre pillar is not placed to support the centre of a tube 460 ft. in length, for the passage is 900 ft. wide—consequently, it is only the end of each division of 450 ft. in length, which are to be placed on the centre pillar. What I have stated in that respect I have borrowed from the press, and I am not aware that any alteration has been decided on as to the main features of this structure, since those statements were made. A few months since, a description of the tube was given in the Illustrated London News, with a large engraving; it was represented as resting on a centre pillar, built on the Britannia Rock, from whence the structure is to be named the Britannia Tunnel. T. Walkinshaw proposes, that wrought-iron rods should be used to strengthen the tube; but no engineer will suppose for a moment that it is built as a common boiler, without ribs and longitudinal bars. I had proposed to construct a skeleton tube, by means of wrought-iron spiral ribs interwoven together, and mendered rigid by longitudinal iron bars inside, then to rivet the iron plates outside; but how far this principle has been adopted I cannot say, as a detailed description of the work has never been brought to light, but I believe that a large quantity of castion is used in the structure.—John De La Hates: Liverpool, 7 mo. 14.

BRITANNIA BRIDGE-A NEW WONDER OF THE WORLD.

BRITANNIA BRIDGE—A NEW WONDER OF THESE WORLD.

Hashinster, and previous feeter with the model of the Britannia Bridge, the other day, in Manchester, and previous feeter by previous feeters of the public are faily becoming more and more interested in it, a feath here relates an account of it, from the previous feeters and the control of the control o

that day! How glorious for him and for England if he does! But why say \$(f)\* He wa! friumph. He has related nothing here—he has roduced everything to certainty:
The tile is now abcounsable. A line of barges lying side by side have been placed bemoved, and the tube of 1500 tons reads upon the barges. They are towed out upon the
water with their mouster freight, are brought round, and drawn forward until they and
it occupy the space between two of the plers—they are moored and made fast there. The
outside width of the tube being 14 ft. there is a groover in each of the piers which that
that, and as the bottom of the plers stones have been left out to admit the ends of the
tubes into the grooves. Those grooves extend upwards as high as their on is to be elevated
—the plers are the plers of the plers stones have been left out to admit the ends of the
tubes into the grooves. Those grooves extend upwards as high as their on is to be elevated
—the plers are all the plent of the plers stones have been left out to admit the ends of the
which we cannot now stop to examine and talk about, extends downward, from the hydraulle press, and is fastened to the end of the tube. The press is put to work, and it
has the power of litting the mass of iron 6ft. This we see, looking only at one pier and
at one end of the tube; but a second press and chain are employed simultaneously with
this at the other end. When they have raised the large thing 6ft. Iron griders of great
at strength are placed underneath; it, across the groove, the ends of the girders resting on
the press stops, and allows its iron burthen to rest on them, and the chains are slackened;
while slackened, a link, or section of each chain, measuring 6 ft, is removed; each is
again fastened to its load, the presses are again at work, and the tube is readed 6ft higher.
Again, girders (or bearen) are laid across the grooves; again, the gigantic wonder of the
world rests in its upward progress; and again at some solidly at the standard
world rests in its upward progres

RECENT AMERICAN PATENTS.

RECENT AMERICAN PATENTS.

[From the Journal of the Franklin Institute.]

Improvements in Leather Belts for Driving Machinery, and in the Machinery for making them: William Kumbel, New York, April 11.

Claim.—"What I claim as my invention is the method of making leather bands by stretching the pieces separately, shen this is combined with the stretching of the whole after thelpieces are put together, as described. And what I claim as my own invention, in the above-described machine, is the combination of the double or single govered windlass, as described in group first, with group third; that is, the second eylinder having the retaining beam, friction pulley, and weighted lever, as described, to be operated and used substantially in the manner and for the purpose herein above set forth, and described; and in combination with these the cross-bead and railway as described."

The machines used for stretching consists of windlasses and bars, with pins projecting from them to hold the punched ends of the pieces of leasther intended to be riveted together to make belts. The first machine is employed to stretch the short pieces, and the second machine is of much greater length, to stretch the entire length after the pieces. Improvement in Water-wheels. Rail-b forms

have been put together.

Improvement in Water-wheels: Ralph Summers, Sances Falls, New York, April 25.—Claim.—"Having thus fully described the construction of my wheel, what I claim therein as new, and desire to secure by letters patent, is constructing the wheel so that the water shall be received upon an inclined surface, extending from the eye to the periphery, and thence entering the passage upon the same surface undiminished in width; sald passage increasing in the direction of the axis, and diminishing in the direction of the radius—so that the areas of all its sections shall be substantially equal, and so located and extended that the water shall all be discharged immediately outside the periphery in a thin tangential aboet, whose plain is parallel to this axis, the whole being constructed and combined substantially, as herein set forth.

substantially, as herein set forth.

Furnace for Buning Bricks: J. W. Andrews, Norristown, Pennsylvania, April 4, 1846; added to original patent, bearing date March 21, 1843.—Claim.—" Having thus fully set forth the manner in which I construct and use my kiln for burning bricks with antiracite, or other coals, what I claim as new, and desire to secure by letters patent, is the two principal flues passing outside of the kiln—one on each side, and one centre flue, passing through the centre and under the floor of my kiln. These main flues are connected with lateral flues, or branches (as described in my original patent), necessary to conduct the wind required under each fire or into each air chamber. I have, in the foregoing description, given that form and arrangement of the respective parts which I deem the most convenient, but without intending thereby to claim any thing claimed and covered in said letters patent, granted the day and year within mentioned, No. 3016; also, without intending thereby to claim timed in the particulars, but varying the same as I may find expedient, whilst I attain the same end by means substantially the same, in the manner represented and made known."

THE LATE ACCIDENT AT THE DEE BRIDGE.

PATENT METALLIC SAND, or ENGLISH POZZOLANO.

GREAT REDUCTION IN PRICE.

Extensively used in morter and concrete at the great tunnels on the London and Birmingham Radlway, in the foundations of the new Houses of Parliament, sea walls on the South Devor Rallway, Clifton Reservoirs, and other works of Importance.

From its chemical qualities, the metallic sand forms, in admixture with lime and common sand, a cament, mortar, or concrete, or diffurly hardness, and almost entire incompressibility; and, from its adhealve and impervious qualities, it completely and for ever excludes water. The more it is exposed to the atmosphere, and to wet and damp, the harder and more durable it becomes.

As an external stucco, the metallic sand coment is unaffected by frost or wet; in appearance it resembles the best Portiand stone—requires, therefore, neither colour nor paint, and is entirely free from vegetainer cracks and bilisters, to which Roman cements liable.—Further information will be given, and specimens shown, on application to Mr. C. E. DYER, 4, New Broad-street, London.

Analysis of THE PATENT METALLIC SAND.

IMPROVED LIFTING IMPROVED RATCHET JACKS, MANUFACTURED BY
GALLOWAYS' AND CO., KNOTT MILL. MANCHESTER. Lifting Jacke, a respectfully requested to the supe riority of those annexed, over those hitherto in use.

PATENT IMPROVEMENTS IN CHRONOMETERS,
WATCHES, AND CLOCKS.—E. J. DENT, 82, Strand, and 33, Cockspur-street,
watch and clock maker, BY APPOINTMENT, to the Queen and his Royal Highnes
Prince Albert, begs to acquaint the public, that the manufacture of his chromometers,
watches, and clocks, is secured by three separate patents, respectively granted in 1836,
1840, 1842. Silver lever watches, jewelled in four hotes, 6 gs, cach; in gold cases, from
\$2 to £10 extra. Gold horizontal watches, with gold dats, from 6 gs, to 12 gs, each.
DENT'S PATENT DIPLIEDOSOPE, or meridian instrument, is now-ready for delivery,
amphiles sendating a description and directions for its use is, each, but focusioner grafts

EMONNIER, HAIR-WORKER to the Queen, and Member of the Academie de l'Industrie, and who obtained a Silver and Platina Medai at the Exhibition, the just IRVENTED several NEW DESIGNS, as Pain Trees, Wreaths, Knoz, and Cyphers which he executes with hair in the natural state, without using gum, or their cement. A variety of Trees executed by a mechanical process.

No. 13, RUE DU GOQ SAINT HONORE, PARIS.

EAST INDIAN JUNCTION RAILWAY COMPANY,
FROM ALAHABAD AND BENARES, VIA JAUNFOOR AND AZIMGURH,
TO GHAZEFOOK AND GORUCKFOOR.

Capital 45, Provisionally Registered.

Capital 45, Provisionally Registered.

Capital 45, Provisionally Registered.

Lieutenant-Colonel Harley, Prior Park-buildings, Bath
James Deacon Howe, Esc., Uptowman, Twerron, Deron
James Vernon Stockers, Sc., Maringes Crescent
William Marveil Powell, Eag., Upper Holloway
Soluctives—T. W. Smith, Esq.
The object of the promoters of this undertaking is to connect the large and populous
cities of Jampoor, Astmgurgh, Chaseepoor, and Goruckpoor, by a line of railway passing
through some of the most existing is to connect the large and populous
cities of Jampoor, Astmgurgh, Chaseepoor, and Goruckpoor, by a line of railway passing
through some of the most existing is to connect the large and populous
cities of Jampoor, Astmgurgh, Chaseepoor, and Goruckpoor, by a line of railway passing
through some of the most existing is to connect the large and populous
cities of Jampoor, Astmgurgh, Chaseepoor, and Goruckpoor, by a line of railway passing
through some of the most existing is to connect the large and populous
cities of Jampoor, Astmgurgh, Chaseepoor, and Goruckpoor, by a line of railway passing
of the development of the most passing from the sale of the mine, in a device the proposed
line of the most railway as a special content of the most passing from the sale of the mine, in a device the passing of the proposed of liquitic the hands of lights, bankers, Tavistock, for the purpose of liquitic the hands of liquids, bankers, Tavistock, for the purpose of liquids, bankers, the large and fourthing rities of the passing and the large and fourthing rities of the passing

BIRMINGHAM AND OXFORD JUNCTION RAILWAY. BIRMINGHAM AND OXFORD JUNCTION RAILWAY.

The directors having passed a resolution, requiring the shareholders to pay a further CALL of FIVE POUNDS PER SHARE.

The directors having passed a resolution, requiring the shareholders are required to ALL of FIVE POUNDS on each and every share held by them respectively, on the 2d day of August, 1847.—Notice is hereby given, that the shareholders are required to PAY such call on the day appointed, to one of the under-mentioned bankers; and, in default thereof, they will be charged with interest, at the rate of 5 per cent. per annum, from that date until the said call is actually paid:

The Birmingham Banking Company Birmingham.

Messers. Attwoods. Spooner, and Co., for the Birmingham Banking Company.

Messers. Jones Loyd and Co., for the Birmingham Banking Company.

Messers. Jones Loyd and Co., for the Birmingham Banking Company.

A circular will be sent to each shareholder, which must be deposited at the bankers when the call is paid.

By order of the board of directors,

JOHN WM. KIRSHAW, Secretary.

34, Bennett's-hill, Birmingham, June 12, 1847.

34, Bennett's-hill, Birmingham, June 12, 1847.

CALEDONIAN RAILWAY.—Notice is hereby given, that an DONIAN RAILWAY COMPANY will be HELD within the Royal Hotel, Edinburgh, on Wednesday, the 28th day of July current, at Two o'clock in the afternoon, for the following the results of the results of the following th

Weonestay, the sept tay is sury variety.

1. To receive a report from the directors as to the present state of the works; trangements which have been made for the opening of part of the line, and the ret the proceedings in Parliament during the present session.

2. To fix, under the previsions of the companies clauses Consolidation (Scotland 1845, the remuneration of the secretary and general manager of the company, at terms and conditions of his appointment.

By order of the board,

J. J. HOPE JOHNSTONE, Chairry Caledonian Railway Office, 122, Princes-street, Edinburgh, July 10, 1847.

MANCHESTER, SHEFFIELD, AND LINCOLNSHIRE
RAILWAY—GREAT GRIMSBY AND SHEFFIELD JUNCTION RAILWAY
TO CONTRACTORS.
The directors are prepared to LET the ERECTION and COMPLETION of the various
STATIONS on the portion of LINE extending from GREAT GRIMSBY to NEW HOLLAND, and to LINCOLN.

AND, and to LINCOLN.

Earther information may be obtained at Mr. Fowler's Offices, in London, at No. 13

blingdon-street; or in Sheffield, at St. Jamos-street, where plans and specifications may

be seen, on and after the 21st inst.; and the directors will meet at Great Grimsby, as

welve o'clock, on Wednesday, the 28th, to RECEIVE the TENDERS, and let the works

"The directors do not bind themselves to accept the lowest tender."

13. Ablagdon-street, Weaminoter, July 9, 1847.

YARBOROUGH, Chairman.

MANCHESTER, SHEFFIELD, AND LINCOLNSHIRE RAILWAY-NEW HOLLAND AND HULL FERR
TO STEAM-BOAT COMPANIES AND OTHERS.
The directors are prepared to LET the WORKING of the FERRY bet
LAND and HULL.

o RECEIVE the TENDERS.
The directors do not bind themselves to accept the lowest tender.

13, Abingdon-street, Westminster, July 9, 1847.

YARBOROUGH, Cha

AILWAY TELEGRAPHS.—Any RAILWAY COMPANY
TELEGRAPH upon their lines, would do well, before they adopt any particular instrument, to WAIT fill the 12th of August, when the merits of our PATENT TELEGRAPH
will be fally exemplified; and we shall then be prepared to GRANT LICENSES for its
use, with power to apply it in every possible way, without control or restriction.

BREIT & LITTLE, Furnival's Inn, London.

MPORTANT TO RAILWAY AND STEAM NAVIGATION COMPANIES, MANUFACTURERS, AND ENGINEERS.

PATENT LUBRICATING FLUID (or Animal Oil) FOR ALL DESCRIPTIONS W. BROTHERTON AND CO.'S

PATENT LUBRICATING FLUID (or Animal Oil) FOR ALL DESCRIPTIONS W. B. & CO. have the pleasure to state, that the above article is extensively used in her Majesty's Steam Navy, and by several of the principal Steam Navigation and Railway Companies, and is pronounced by them, and by the first practical engineers of the day, to be far better adapted for the purposes of lubrication than any other article hitherto used for such purposes. The Patent Lubricating Fluid is equally applicable for the most intricate and fine pieces of machinery, as for the heaviest bearings of the steam-engine. It is cheaper, much more economical, and cleanor than oils at present in use; is free from smell, and escludated for effect a vast saving in the expenditure of working steam powers. Furtiser particulars can be had, and testimonials seen, by application to the manufacturers.

W. BROTHERION & CO., Hungerford Wharf, Strand, London. N.B.—The above article will burn in lamps, and give a light equal to the best sperm oil.

MPORTANT TO ENGINEERS, MANUFACTURERS,
RAILWAY AND STEAM-BOAT COMPANIES.
Mesars. W. & C. MATHER beg to call the attention of the ABOYE PARTIES to their
IMPROVED PATENT ELASTIC METALLIC PISTONS.
The PRINCIPAL FEATURE and ADVANTAGE of THIS IMPROVEMENT is
1. Its great ELASTICITY and SELF. ADJUSTING PROPERTIES, which enable is to yield to any inaccuracy of the cylinder, whether oval or taper, and to move with the least possible friction.
2. Its extreme SIMPLICITY and LIGHTNESS, consisting of only two pieces of motal.

2. Its extreme SIMPLICITY and LIGHTNESS, consisting of only two pieces of n aving the vertical and lateral pressure in due and proper proportion, independent

each other.

2. It takes the LEAST possible SPACE, and is well adapted for air and water-pumps, as it allows of a larger water way.

Measrs. W. & C. MATHER 6ed confident that it is the BEST ELASTIC METALLIC PACKING-yet known, for the above reasons.

Models may be seen at the Saiford Iron-Works, Manchester; at W. Barker's, engineer, Newton-Moor; and also at J. Mather's, engineer, Beaufort-street, Chelses, London.

FLEXIBLE HOSE-PIPES FOR LOCOMOTIVE ENGINES RAILWAY CRANES, FIRE-ENGINES, GAS, &c.

PATENT VULCANISED INDIA-RUBBER HOSE-PIPES AND TUBING

SES pipes are made to stand hot-water without injury—are very superior to loather,

of the common India-rubber pipes; and, as they do not become hard or stiff in the

ips, or the common industries any application when out of use, are particularly we depend for fire-engines.

FLEXIBLE TUBING, of every description, for gas, chemical purposes, &c.

VULCANISED INDIA-RUBBER WASHERS, all sizes, for steam and hot-water joint

JAMES LYNE HANCOCK, -Sole manufacturer, swell Mews, Goswell-road, London.

O ENGINEERS, RAILWAY CONTRACTORS, MINING AGENTS, IRONMASTEES, AND OTHERS REQUIRING FINE GREASE for NERY and AXLES of every description.—JOSEPH PERCIVAL'S IMPROVED RECTION GREASE is—after trials on machinery and axles of every kind where friction is kept up—admitted to be the most useful, economical, and best pre-

teson is kept up—amment to be take most useful, econo-the kind ever offered to the public, sea to scientific and practical men can be given, any testin lence.—Samples forwarded on application at the manufa-atreet, Blackfriars-road, London.

DATENT KAMPTULICON COMPANY, 18, CORNHILL my having completed their new factor tractors with an elastic material (per I sleepers, and between the frames a quently, wear and tear. The elastic

PATENT GALVANISED IRON AND WIRE ROPE WORKS,
AMDREW SMITH begs to inform the Mining, Realivay, and Shipping interests, that he
as obtained a PATENT for an IMPROVED METHOD of GALVANISING IRON, prounding a much superior article at a considerable saving in cost—the improved process for

mine now in his causely, and a search of the mine, in accordance with the next resolution.

Resolved,—That Messrs. Gill and Rundle being large creditors of the mine, and Mr. Gill having attended the meeting, accompanied by their solicitor, Mr. P. Eittle, of Devonport, it was deemed advisable that Messrs. Little and Woolcombe should be requested to assist the pursor in drawing up the particulars of sale, and in the legal disposal of the mine. Resolved,—That Messrs. Tabb and Ople be requested to make an inventory and valuation of the mine and materials, and to forward one copy thereof to the pursor, and another to the committee; and this meeting to hereby authorise and empower Messrs. Little and Woolcombe, of Devonport, and the pursor, to dispose of the mine and materials, in one or more lots, at such fair and reasonable sum as they may think proper.

Roselved,—That this meeting do hereby indemnify Mr. Walter Weekes, of Hurddich, from all the costs and damages he raw have been put to, in concequence of his men having proceeded against him for wages, due from the adventurers to them, in the Tavistock County Court; and that he be paid the amount out of the residue of the proceeds of the sale, as far as they may extend, before handed over by Messrs. Gill and Rundle to the hakers of the company. And in case any more summonses are issued against that goniteman, that the pursor be instructed to defend him against any further demands, on the understanding, that Mr. Walter Weekes, Jun., being present, vill not interfere with the sale of the mine, or do any act to prejudice the validity of the lease, for one month from this date.

G. W. SNELL, Purson.

WHEAL PORTLEDGE COPPER AND SILVER-LEAD

MINE COMPANY,

ON THE COST-BOOK SYSTEM.

In 4000 shares.

BANKERS—Messrs. Harding, Braginton, and Co., Bideford.

SECRETARY—Mr. John How, jun., Bideford.

This MINE is situated on the sea-cosst, in the parish of ALWINGTON, about 4 mile est of the town of BIDEFORD, in the county of Devon, and from the rich specimens of interals already produced, bids fair to be a mest profitable undertaking. The set can discrease already produced, bids fair to be a mest profitable undertaking. The set can discrease already produced, bids fair to be a mest profitable undertaking. The set can describe the property of one gentleman, from whom a lease of 22 years

toms to rete out one set at mins, the property of one gentieman, from whom a lease of 22 years, from the 19th of April, 1447, has been obtained, at a royalty or dues of 1-15th of the produce.

Advantages present themselves for working this mine, which rarely occur, not only as respects the appearance of the lodes, but also from the facility afforded for working if at a considerable depth without the aid of expensive machinery, as well as its being in the immediate vicinity of an excellent place for shipment.

The ellist rising from the sea-costs (and in which the minerals are found), are sufficiently as the sea-cost (and in which the minerals are found), are sufficiently as the sea-cost (and in which the minerals are found), are sufficiently as the sea-cost (and in which the minerals are found), are sufficiently as the sea-cost (and in which the minerals of strength of strength of the sea-cost (and in which is not yet ascertained. Seathless of copper ore taken from the same result of produce—namely, 144 per cent. Specimens of silver-lead ore have also been raised, the value of which is not yet ascertained.

In the formation of the present company the leases proposes to admit coadventurors with himself on fair and equitable terms in all the advantages which the mine offers incherefore, proposes to divide the mine into 4000 shares, reserving 1000 to himself, upon which he will pay equally with the other advantages which the unine offers incherefore, proposes to divide the mine into 4000 shares, reserving 1000 to himself, upon which he will pay equally with the other advantages which the unine offers inchered the state of the shares; £1 per share to go to the lesses, and 1s. per share to be applied to the working of the mine. Future calls, if required, to be made at is, per share, at intervals of not less than three months; but from the great advantages afforded for working the mine, and the rich specimens of ore already raised, as well as the general formation and appearance of the lodes and strata, it is confide

meeting. No shareholder will be liable for any amount above the number of shares he holds. Applications for shares, or other particulars, to be made to the secretary.

\*\*LEOROUGH SILVER-LEAD, CALAMINE, AND BARTYES MINE.—PROSPECTUS.\*\*

This MINE is situated in the parish of HUTTON, Somerset, within four miles of Westorn-Super-Mare, and Uphill Quarry, and 2½ miles of the Banwell station, on the Great Westorn Rallway, is divisited into 256 shares, and managed on the Cost-book System. The sett, which comprises 500 stations in length and 400 fathoms in width, contains a great number of Jodes, which have proved very productive as far as they have been wrought.

It is well-known that for centuries past large quantities of lead over have been rused by the system of grutiling, a ruide sort of miling of the district, and parties so working, established large profits, slibough paying at the rate of 1-6th and even 1-4th to the lord, as diass or reyally. But, although this sets has been a very productive one, even by the ruide operations of the grutilers on the backs of the lodes, and within a few sidhous of the outsets, eyel for want of more miling experience outhing has been done effectually in proving the lodes; traces of the grutilers operations are visible for several hundred fathoms in length, and the rubbish, or waste deposits therefrom, on the surface, sufficiently indicate that large returns may be expected, if these mines are properly worked.

The report of the neighbourhood induced the present company in May last (1846) to asolicit a grant of the selt; and having obtained it at moderate dues, they commenced clearing up the old workings in several places; and having fully satisfied themselves of the value of the set, they have commenced staking two new shafe, in order to get under the old workings, and to effectually work the miline—one of these shafts is on a perpendicular lode, having six other lodes underlaying towards it, and which, if they continve their present company, from the old workings, which on this l

REPORTS.

a profitable state of working.

BEPORTS.

SIR.—I have been a resident in this part for the last eight years, and have fraversed this mineral country from the Bristol river to Wells, which is about 30 miles north and south, and from Baith to Bridgewater river, which is about 30 miles north and south, and from Baith to Bridgewater river, which is about 30 miles north and south, and from Baith to Bridgewater river, which is about 30 miles north and south, and from Baith to Bridgewater river, which is about 30 miles north and south, and from Baith to Bridgewater river, which is about 30 miles north and have, in so doing, examined very carefully the geological and mineralogical position of those localities, and find they are composed of mheral or mountain limestone, old red anadatone, new red sandstone, liss, penant, magnesian limestone, and congiomerated limestone, quarts, fluor-spar, siley, and jasper; there are hundreds of lodes and vens in this range, which carry metallic and mineral ores, such as lead, iron, copper, manganese, calamine, barytes, pyrites; reddle, antimony, coal, yellow ochre, and white less ores.

Having heard that there were some of my countrymen at Elborough, near Banwell, working a mine, I went to see them on Tuesday, and found Capt. Trevithick and his pare dressing lead and calamine; Capt. Trevithick asked me to walk around the mine, with him; I went underground at Vivian's shaft, and saw Vivian's lode, 17 athoms deep, nearly perpendicular—a very kindly lode, 28 ft. big, composed of flookan, elvan, and leadgood saving work. At Chapman's shaft a strong lode, and very kindly north lode: there are several lodes south of Vivian's lode, saft underlaying north, which I think are likely to drop in and improve this lode in depth. I think this altogether a very promising mine.

It is in the mountain limestone that this mine is, and it is in the mountain limestone that the principal British lead mines are situated, and they are those of Somerestairie, Derbyshire, Vorkshire, Cumberland, Shropshire, Fil

sire, Yorkshire, Camberland, Shropshire, Flintshire, and Denbighahire—these are the tost productive for lead and calamine. The lead mines in Cornwall and Devon are in primitive rock, so that the Cornish and levon miners in general know but little about limestone formation. I think Somerset will make a great mining district, some day. I have an account of a tile mine that paid in 1812, £808 15s. 10d. for dues; and take the average, they were no tore than 15 fathoms deep, and they rose hundreds of pounds worth, 8 or 10 fathoms cep; this mine is four miles east of Elborough Mine.

Ostland's Cottage, Wrington, near Bristol, Somerset, May 6.

CTRONG MIXING PIG-IRON.—The YS IRON COMPANY beg to solicit ORDERS for their ANTHE.
This iron mixes well with Scotch pig-imparting to it strength and ceiving from it a portion of its softness and fluidity. No. 3 Pig is reco ing with soft iron—Nos. 1 and 3, for machinery castings, requiring g strength. At this period, when cast-iron is so much employed in a bridges and other buildings, requiring all the strength and elastisticy at the form of the strength of the strength and elastisticy at ture of metal will afford, it may be interesting to call stitention to the ANTHRACITE PIG-IRON, as agreement on by that great practical in DAVID MURIET, Eeq., M.I.C.E.:—

"It greatly exceeds, in atomsofth, in deficitive powers, and capacity to given at this time manufactured in the United Kingdom."

"It now only remains for me to mention a property seculiar to the noticed at the time I made the frial experiments, four years ago, but wit fully developed in those more recently made. The property referred apringiness, or elasticity, which communicates a tendency to the last preaking, to resume its rectangular form. Bars that had obtained a 2-10ths, when afterwards broken, presented but a slight deviation from no case, did the curvature exceed one-fourth of a tenth."

"It was also remarked, that most of the fractures, in breaking, prof grain throughout, resembling the structure of understanded steel."

Address THE YSTALYFERA IBON COMPAN Dated June 12, 1847.

THE YSTALYFERA IBON COMPANY,

Near NEATH, BOUTH W.

HOT-BLAST WITHOUT COAL, LABOUR, on REPAIRS.

Apply for particulars, or to inspect the process in operation on six blast-farmacas, to Dated June 22, 1847.

A SSAYING AND ANALYSIS.—Mr. MITCHELL begs to inform the MANAGERS, &c., of MINES, SMELTING-WORKS, and MANUFACTORIES, that he still continues to CONDUCT ASAYS and ANALYSES of all PRODUCTS, motallurgical and manufacturing, at his LABORATORY, 22, HAWLEY-ROAD, KENTISH TOWN, LONDON, to which address communications are to be forwarded.—Instruction in all branches et

A DCOCK'S PATENT SPRAY PUMP.—This important INVENTION having been PERFECTED, and brought into SUCCESSFUL. PRACTICAL OPERATION at LLANHIDDEL, at pits belonging to R. J. Blewitt, Esq., M.P., Llantarnam Abbey, near Newport, Monmouthshire, the PATENTEL's ready to RECEIVE, and to execute, ORDERS.—Apply to Henry Adocek, C.E.; at his offices, 137, Stratd, London, where pamphlets, descriptive of the invention, may be had; at the office of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectable bookzeller—price of the Mining Journal, 26, Fleet-street; and through any respectab

DIRAM'S ANEMOMETER, FOR ASCERTAINING THE VENTILATION OF COAL MINES.

THE VENTILATION OF COAL MINES.—This INSTRUMENT is now EMPLOYED by many EMINENT ENGINEERS, to whom reference can be given.

For particulars apply to the patenties, B. Birsm, Zeu, Wentworth, near Rotherham; or to the maker, John Davis, Dorby, manufacturer of Miner's Deals, 12t Baromoiers, as

BRUNTON'S PATENT ORE-DRESSING FRAME.
These FRAMES, for DRESSING TIN, COPPER, and OTHER MINERALS, have been in use, and given satisfaction, on several mines, during the isat two years, the PENTEE begs to call the attention of all Adventurers and Mine Agents to the great: vantages, both as regards economy of labour and the great increase of misoral obtain by their adoption. The following gentlemen can certify as to their utility:—Thes. Bolis and Sons; P. N. Johnson, En.; Capt. Jos. Vivian, Cook's Kitchen Mise; Capt. B. Kernis St. Ives Consols; Capt. B. Edwards, Wheal France; Capt. W. Tesgue, Wheal Gr. Capt. James Miners, and Capt. Matilhaw Rogers, Carn Brea Mines.

vanitages, both as regards economy of labour and the great metaway in the production. The following gentlemen can certify as to their utility: "—Thes. Bolitho and Sons: F. N. Johnson, Exq.; Capt. Jos. Vivian, Cook's Kirehen Mise; Capt. R. Kernick, St. Ives Consols; Capt. E. Edwards, Wheal France; Capt. W. Teague, Wined Irgor, Capt. Johnson, Exq.; Capt. Johnson, Capt.

are two lines to the same purce; the smooth of lower rates; the effects of which they believe experience of when they competed with the canals.

If they could not get a purchaser for their line at 9 per cent, some time ago, they certainly have a worse chance of obtaining one when saddled with such a guarante they propose to give the Contral. That they offered to sell their line to the Caledon for 9 per cent., is a fact to which I am plotged, but on what data did the Edinbu and Glasgow board proceed when they valued their line at that figure? It was on as scompleted their access to the Princes-street station; and upon the principle that is line was worth more to the Caledonia Company than to another, because they sad maintained it would prove a saving to that company of two millions sterling! The of the Caledonian Company has not such high magnifying powers as to enable the see their way to that, or the 5000, per week, and, therefore, the negotiation broke of. The Edinburgh and Glasgow have now, for some time, had their connection with Princes-street station, and yet their weekly traffic seems to sick at a figure nearer for the case that of the Caledonian company that one time, had their connection with

viz., 7 per ce

TO THE EDITOR,

And Poez-Oyrice Ondens, Sc., must be made payable to William Salake